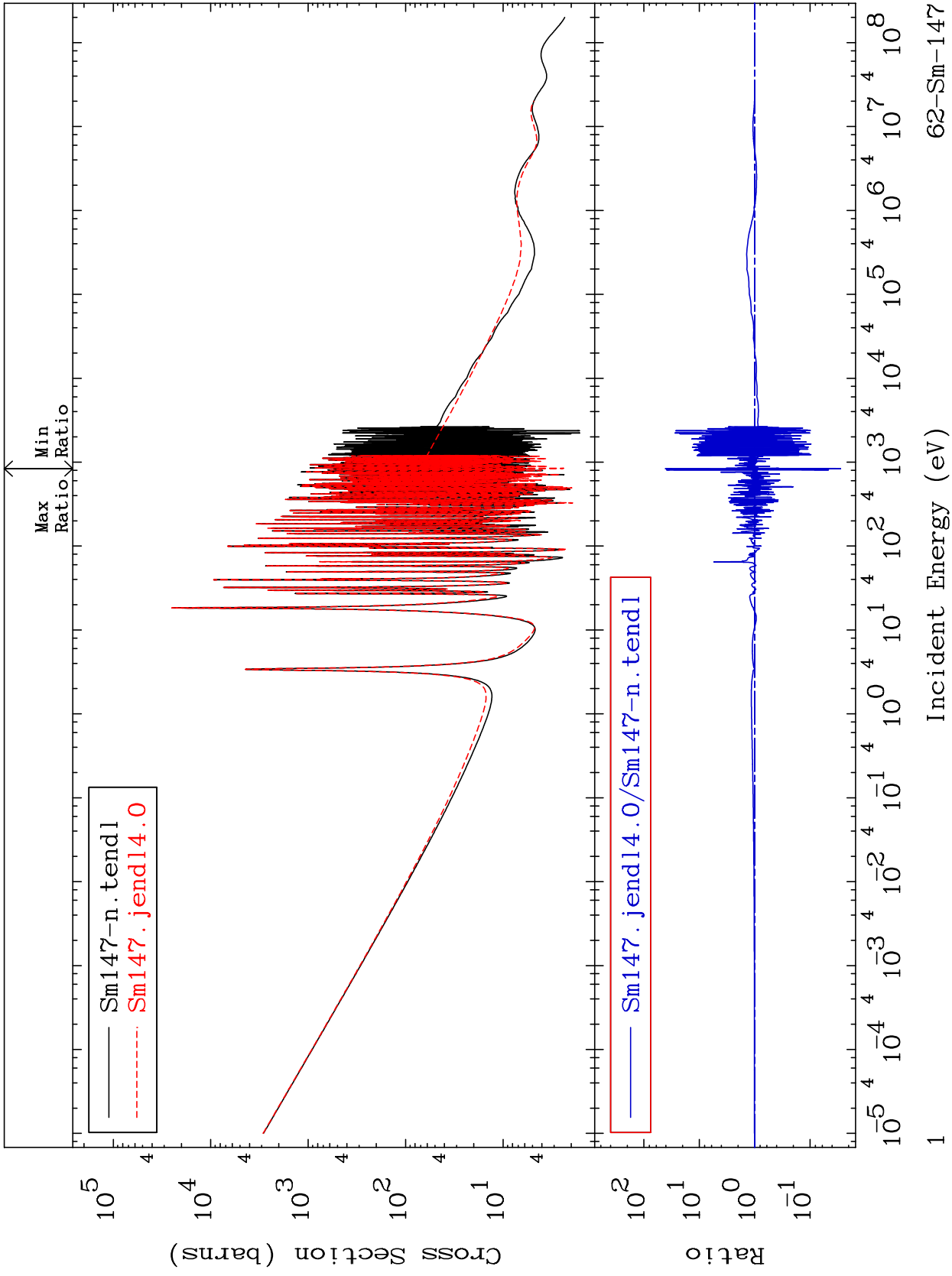


MAT 6234

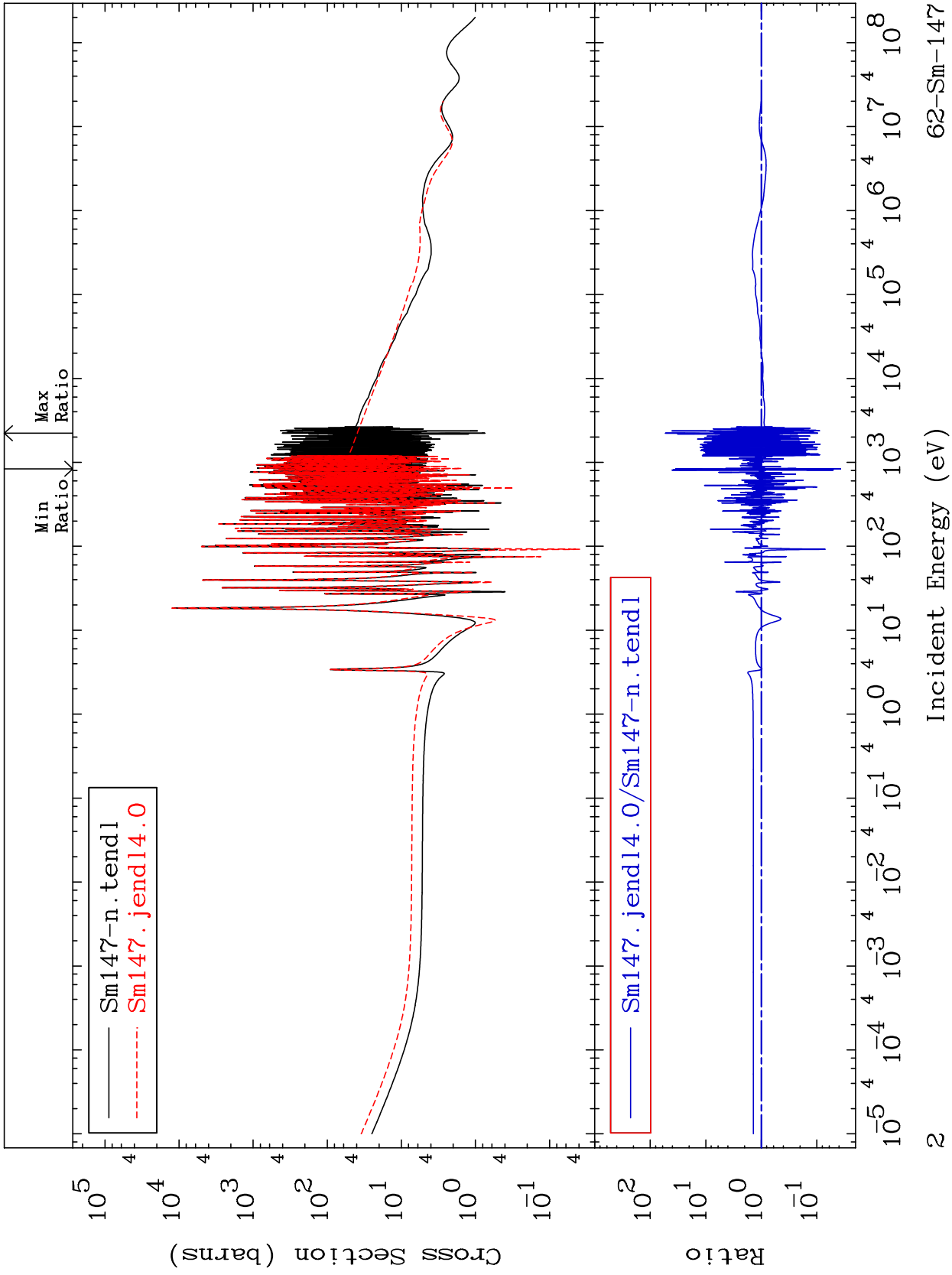
Total Cross Section  
62-Sm-147  
-97.21 To 3975. %



MAT 6234

Elastic  
Cross Section

62-Sm-147  
-96.27 To 5208. %



62-Sm-147

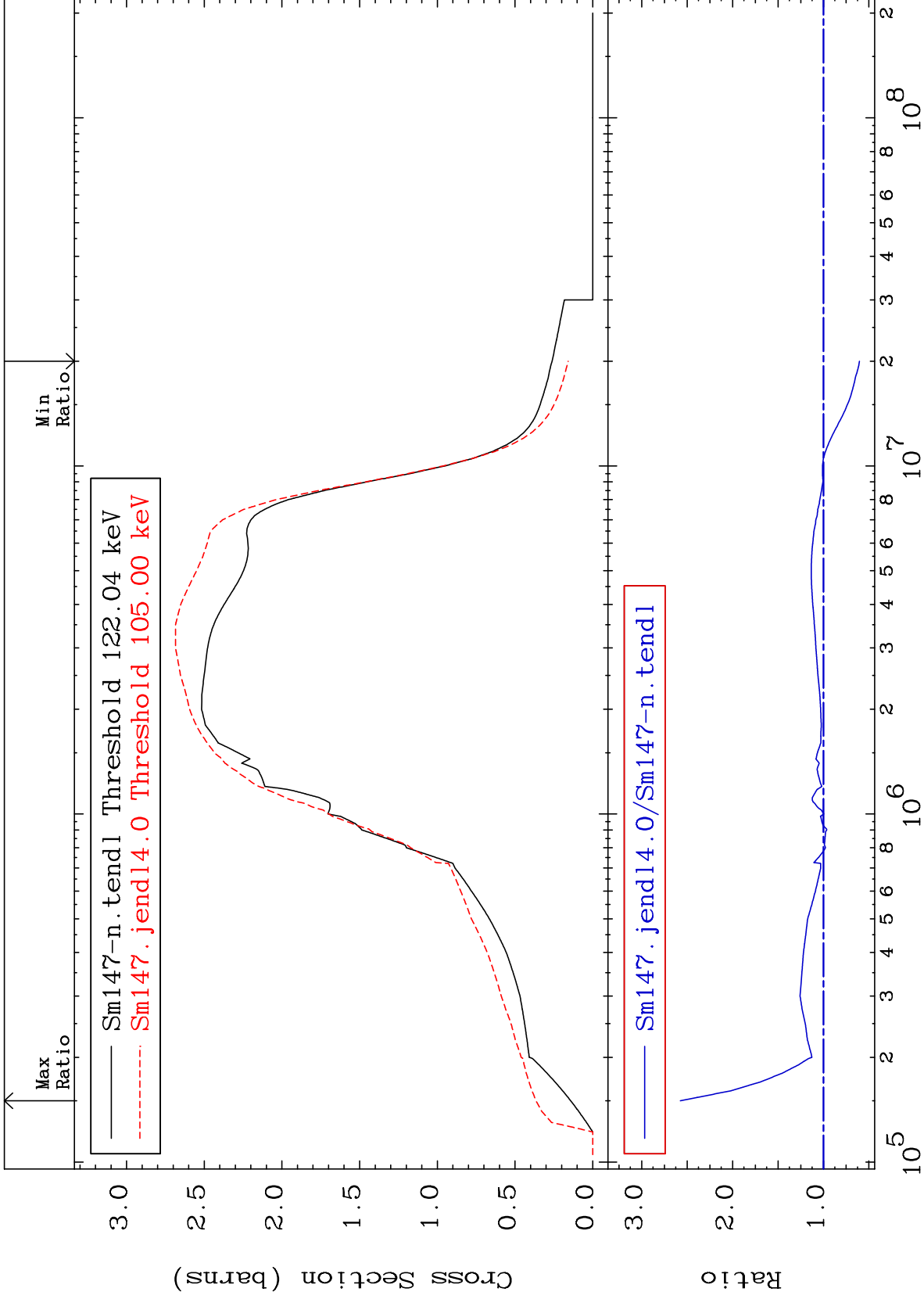
Incident Energy (eV)

2

MAT 6234

Inelastic  
Cross Section

62-Sm-147  
-39.58 To 157.5 %



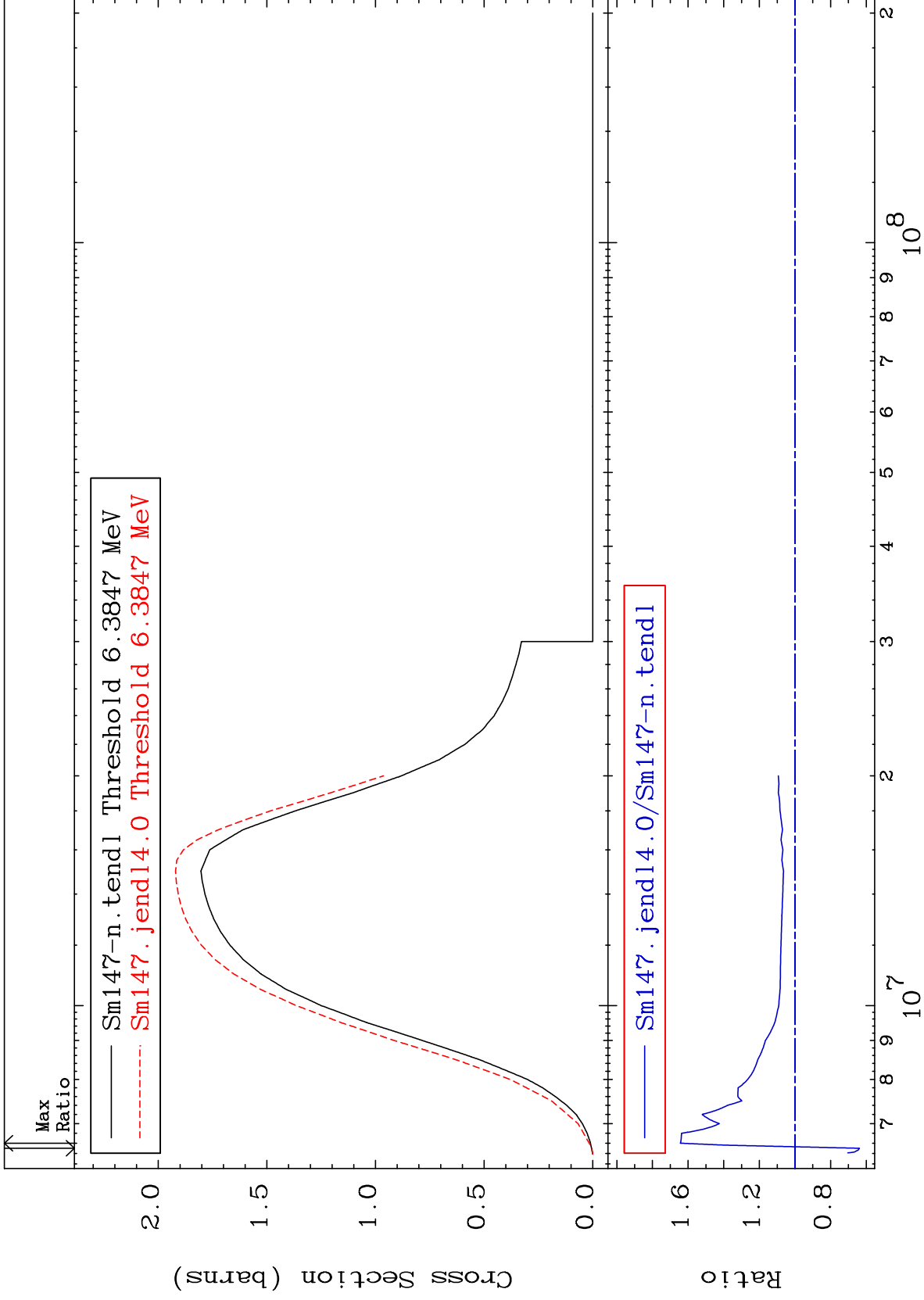
62-Sm-147

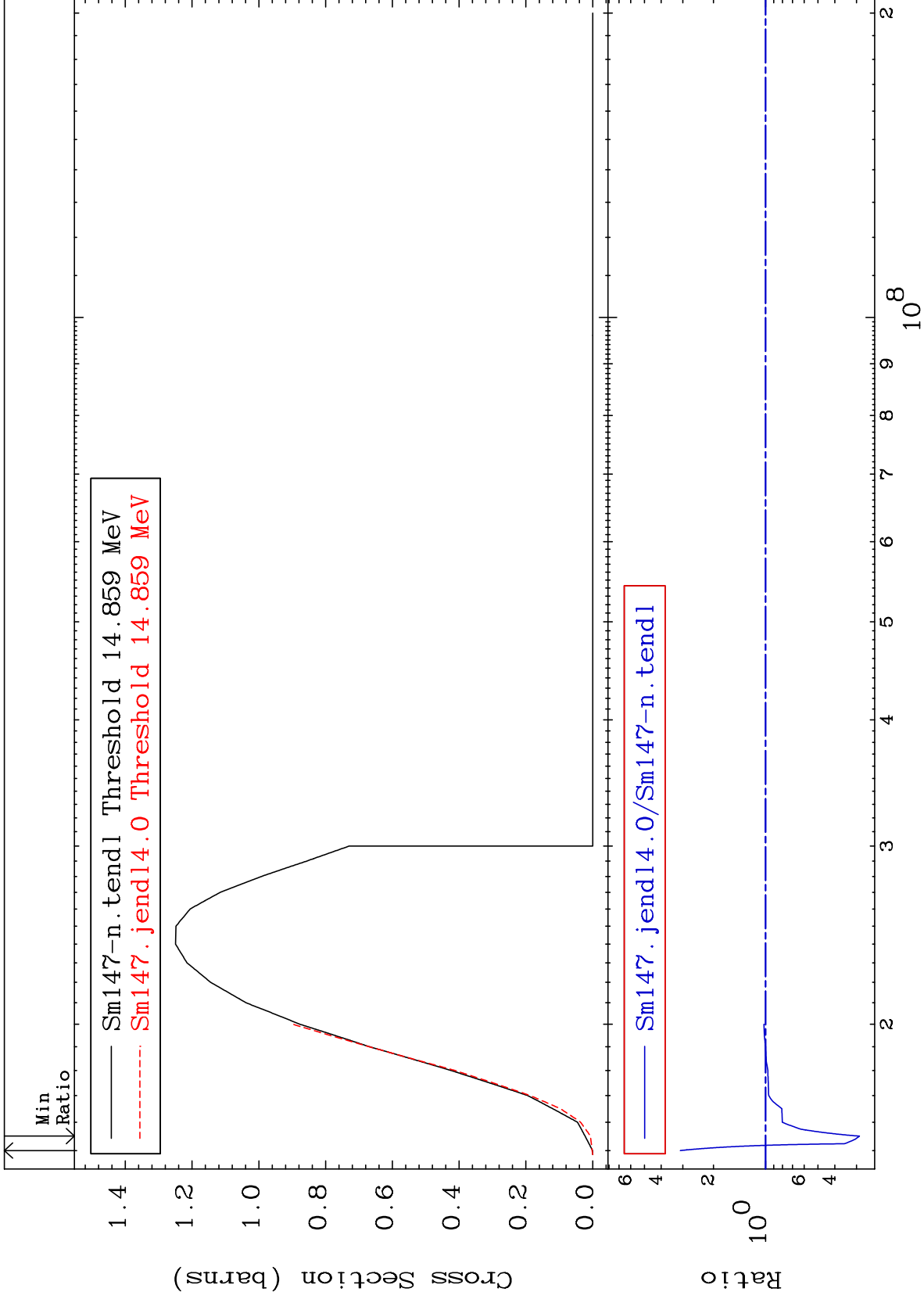
62-Sm-147

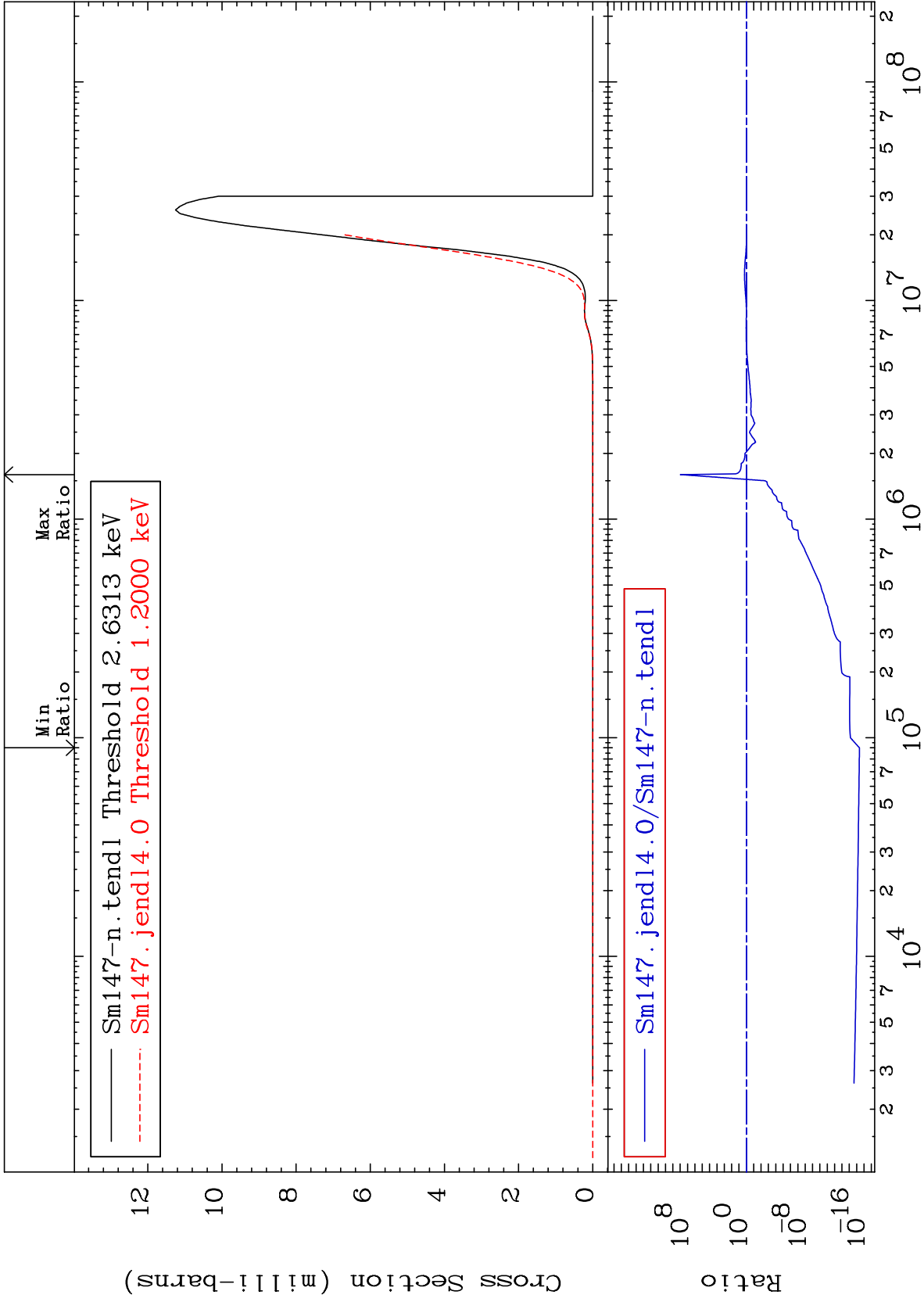
MAT 6234

(n,2n)  
Cross Section

62-Sm-147  
-36.16 To 64.34 %



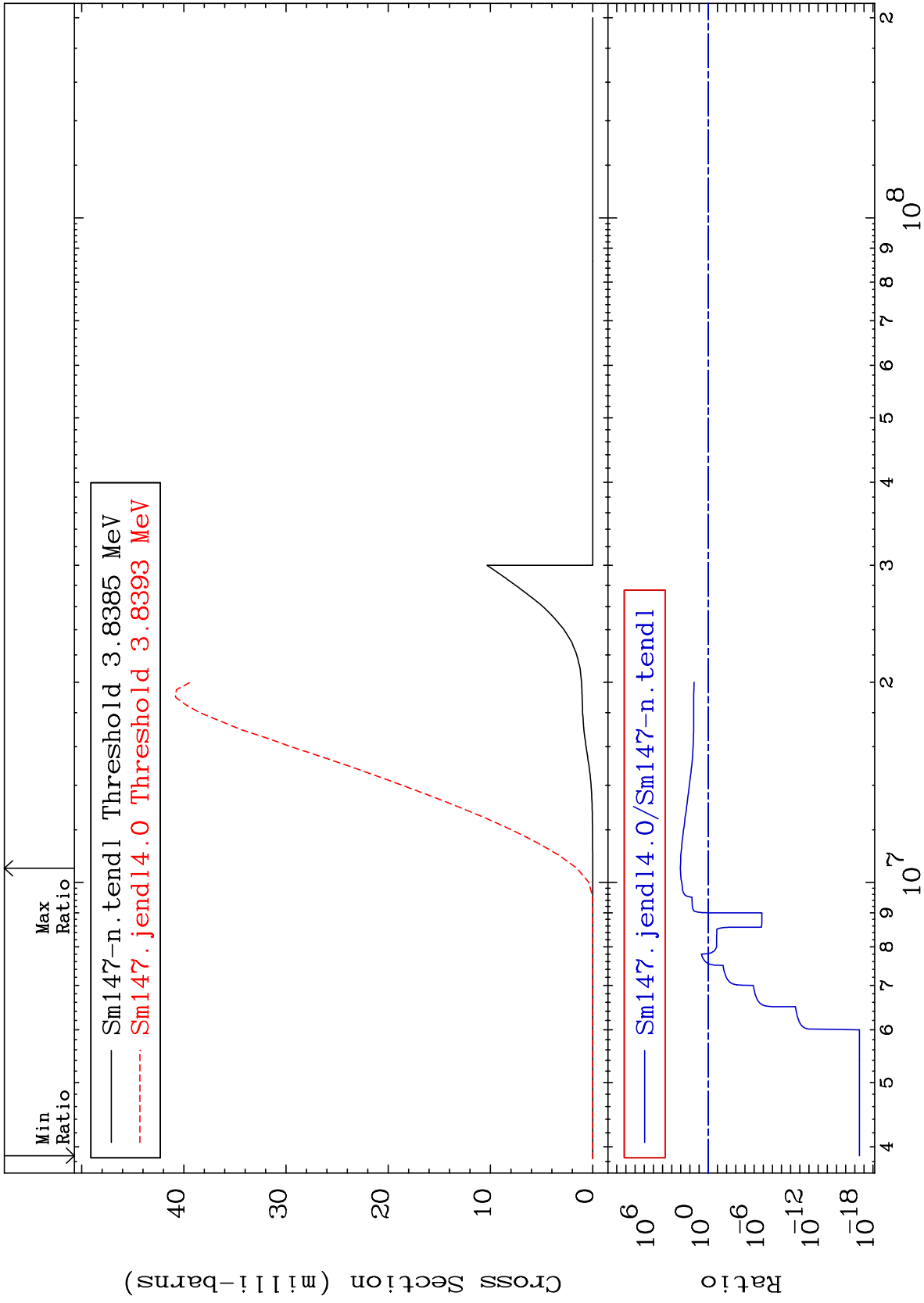




MAT 6234

(n,2n)  $\alpha$   
Cross Section

62-Sm-147  
-100.0 To 9999. %



7

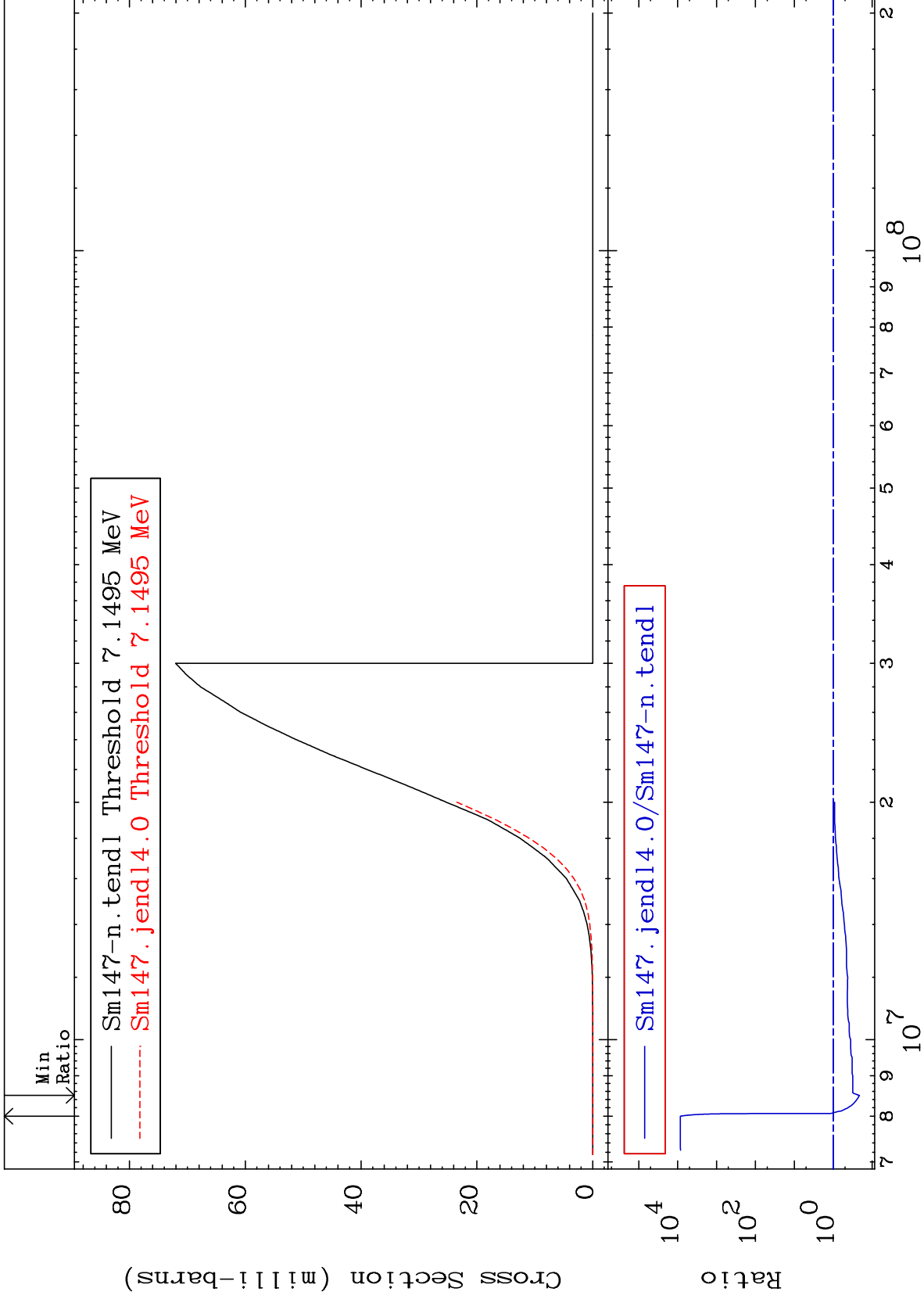
Incident Energy (eV)

62-Sm-147

MAT 6234

(n, n') p  
Cross Section

62-Sm-147  
-78.78 To 9999. %



8

Incident Energy (eV)

62-Sm-147



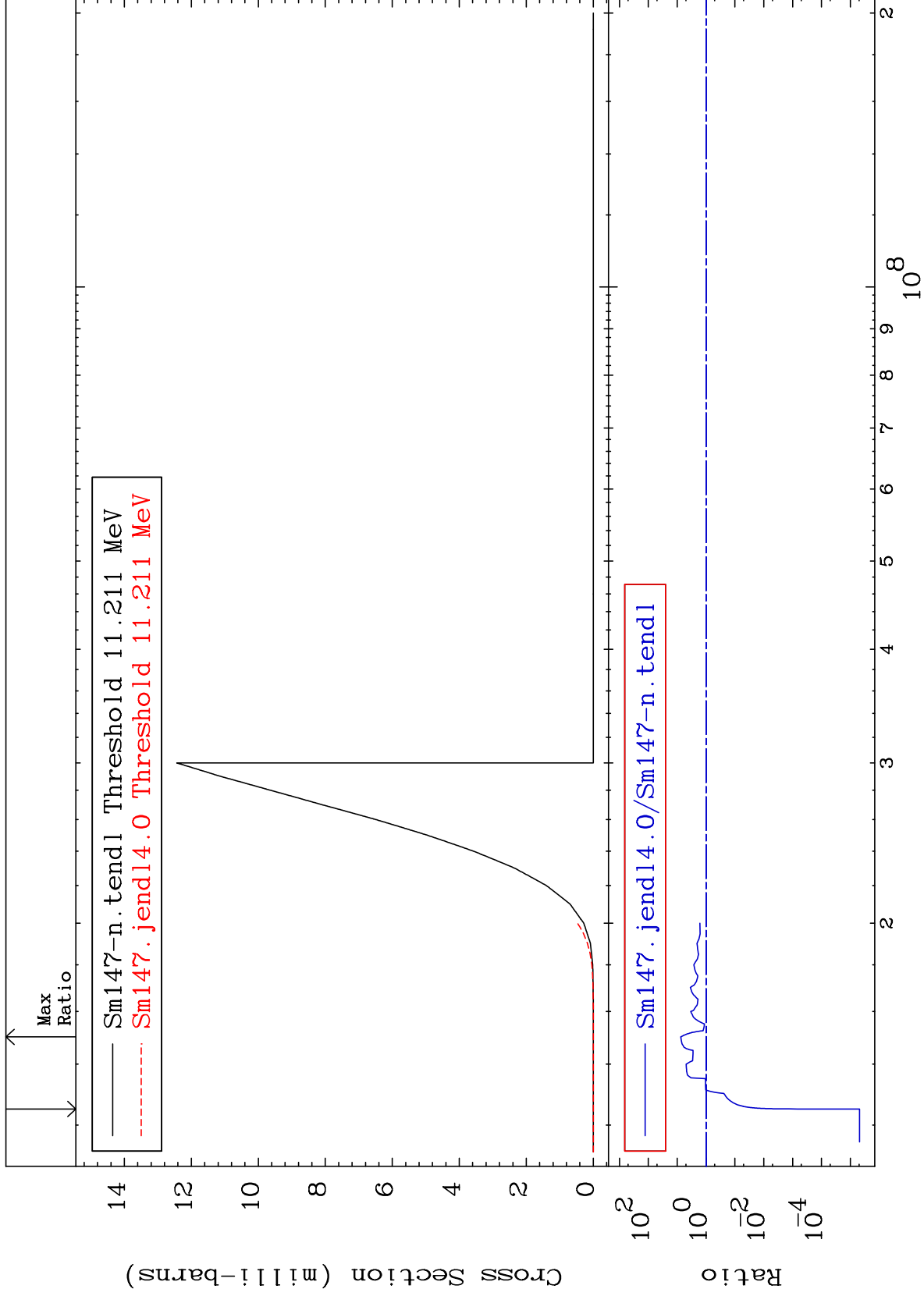
MAT 6234

(n,n') d

62-Sm-147

Cross Section

-100.0 To 650.7 %



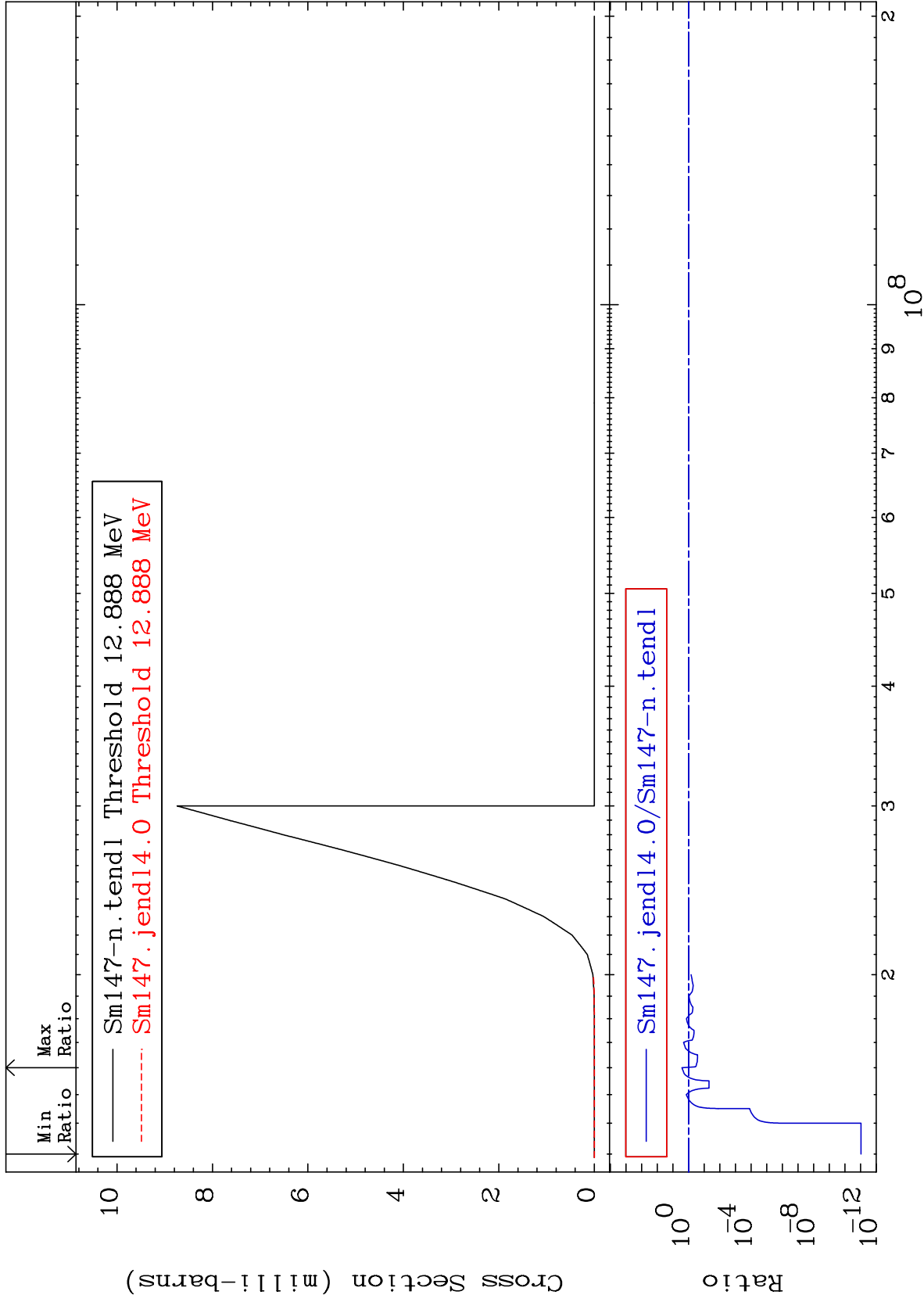
MAT 6234

(n,n') t

62-Sm-147

Cross Section

-100.0 To 167.0 %



10

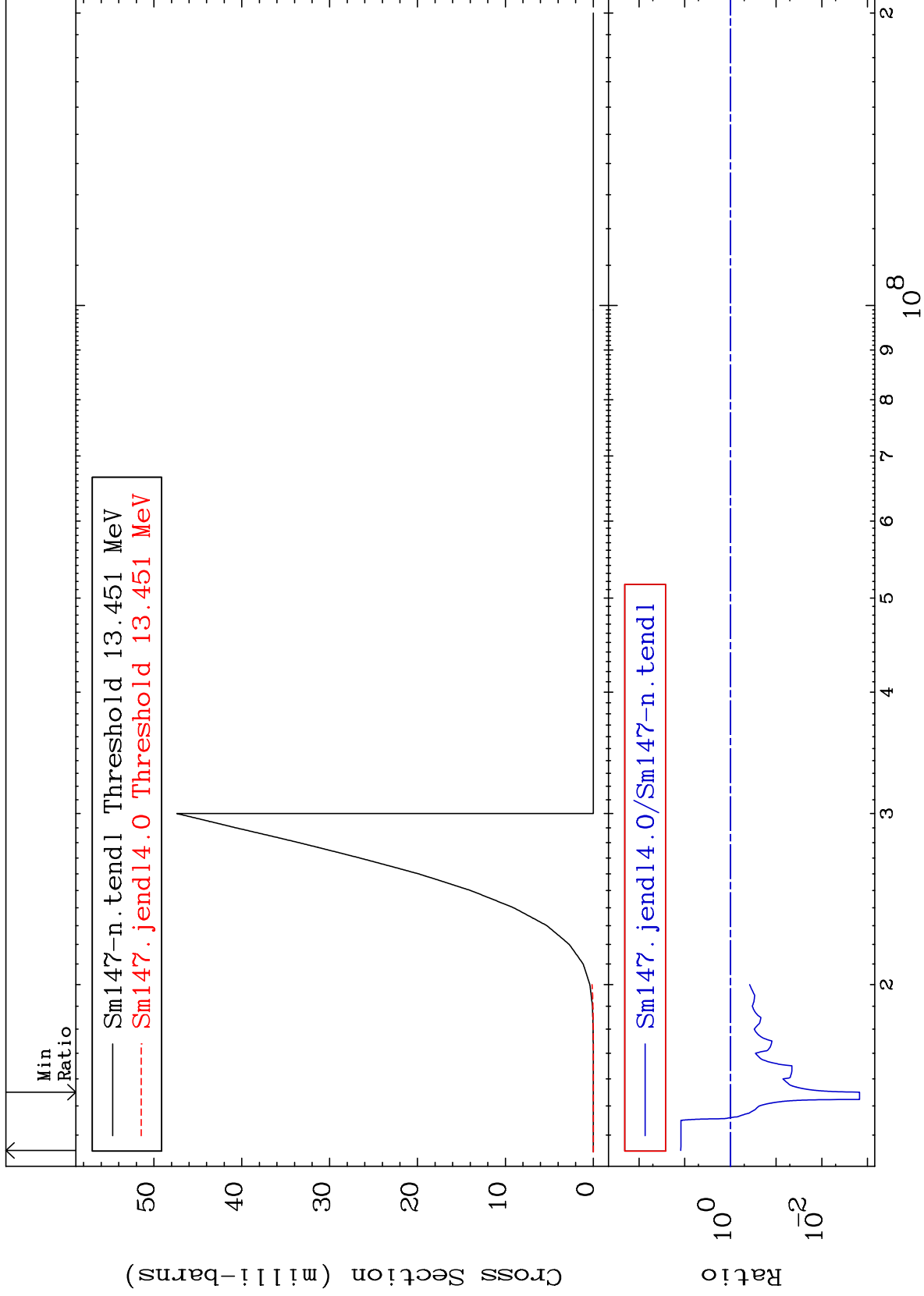
Incident Energy (eV)

62-Sm-147

MAT 6234

(n,2n) p  
Cross Section

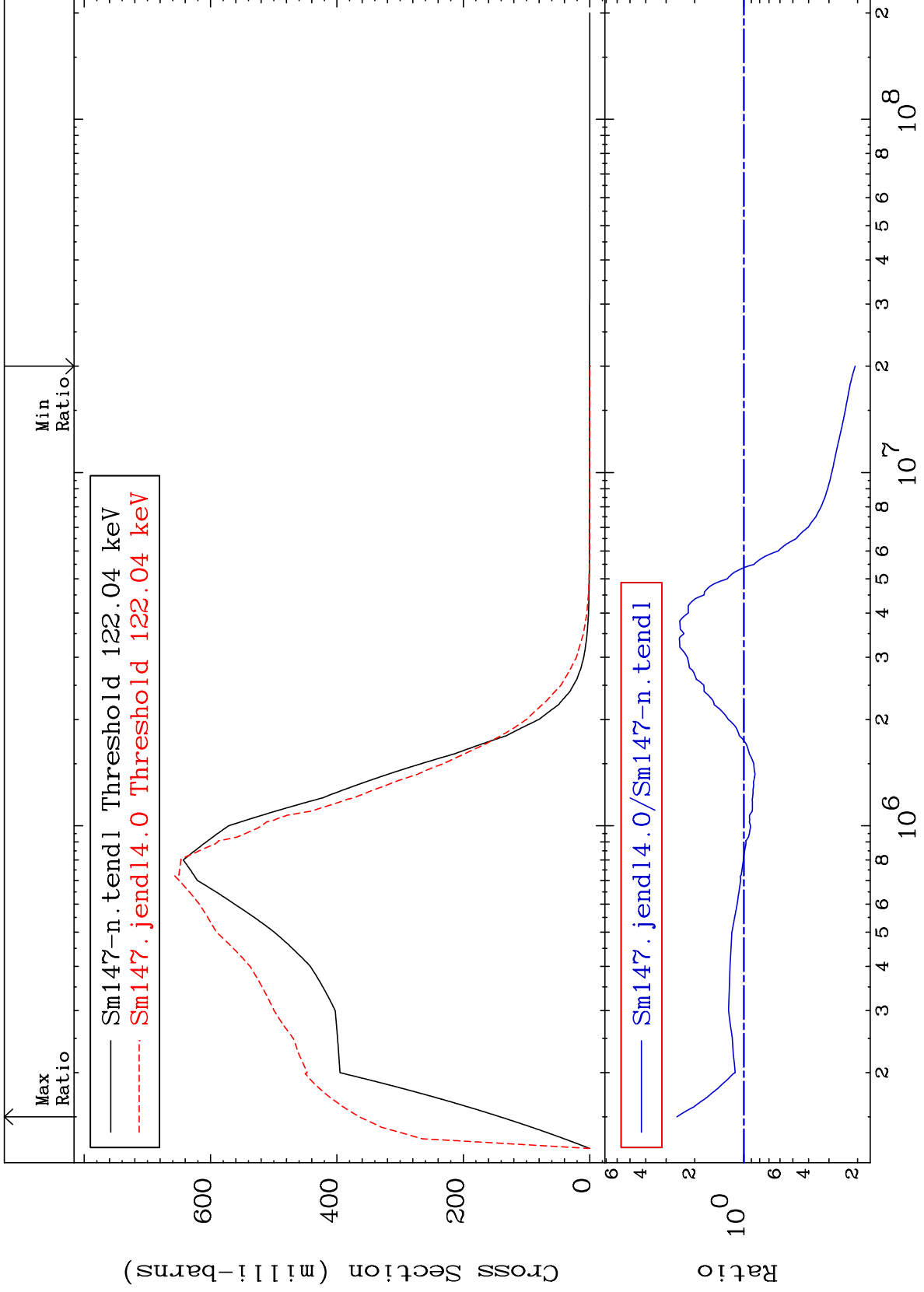
62-Sm-147  
-99.85 To 1122. %



MAT 6234

121.2 keV (n,n') Level  
Cross Section

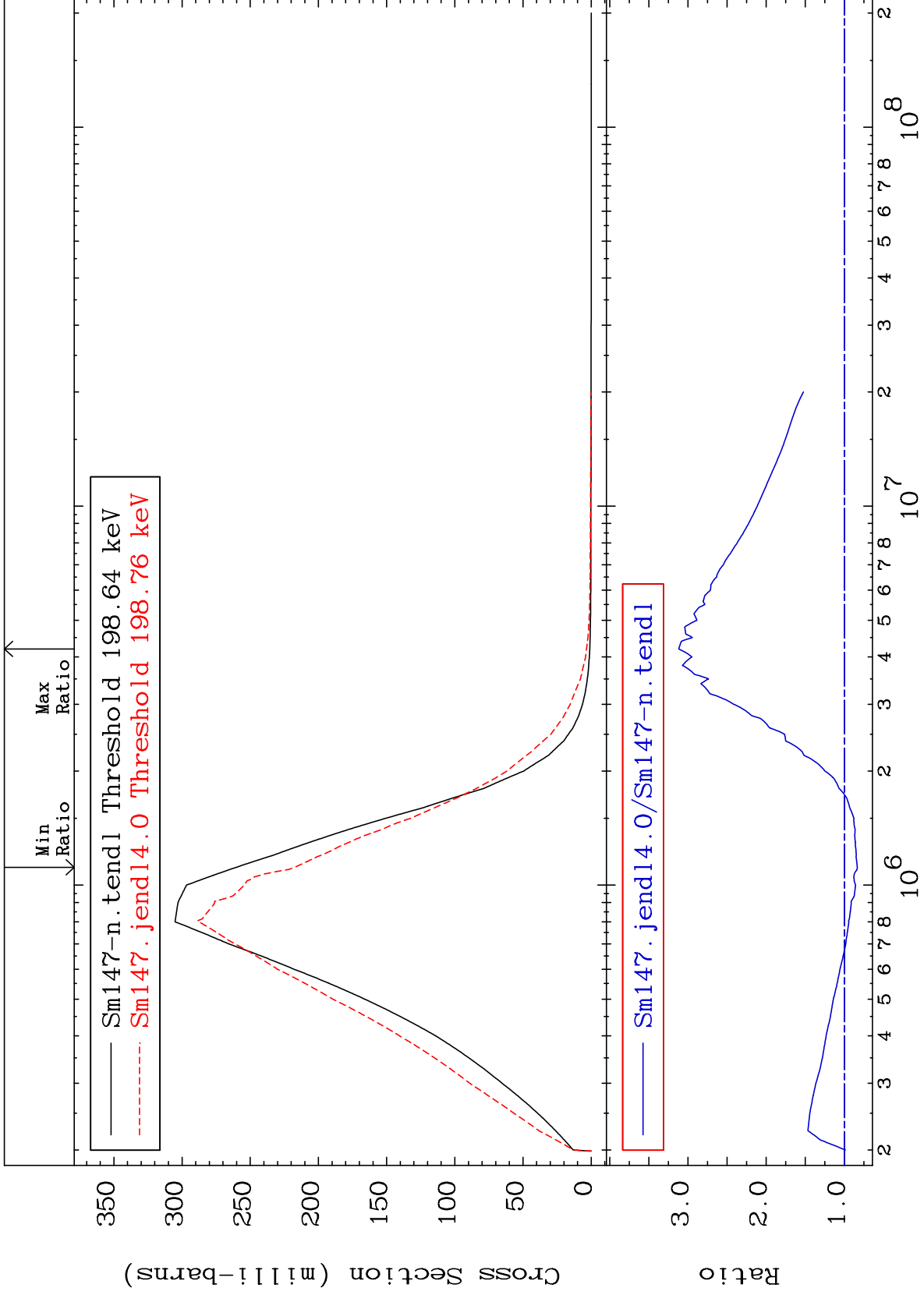
62-Sm-147  
-79.27 To 157.5 %



MAT 6234

197.3 keV (n,n') Level  
Cross Section

62-Sm-147  
-16.50 To 211.9 %



13

Incident Energy (eV)

62-Sm-147

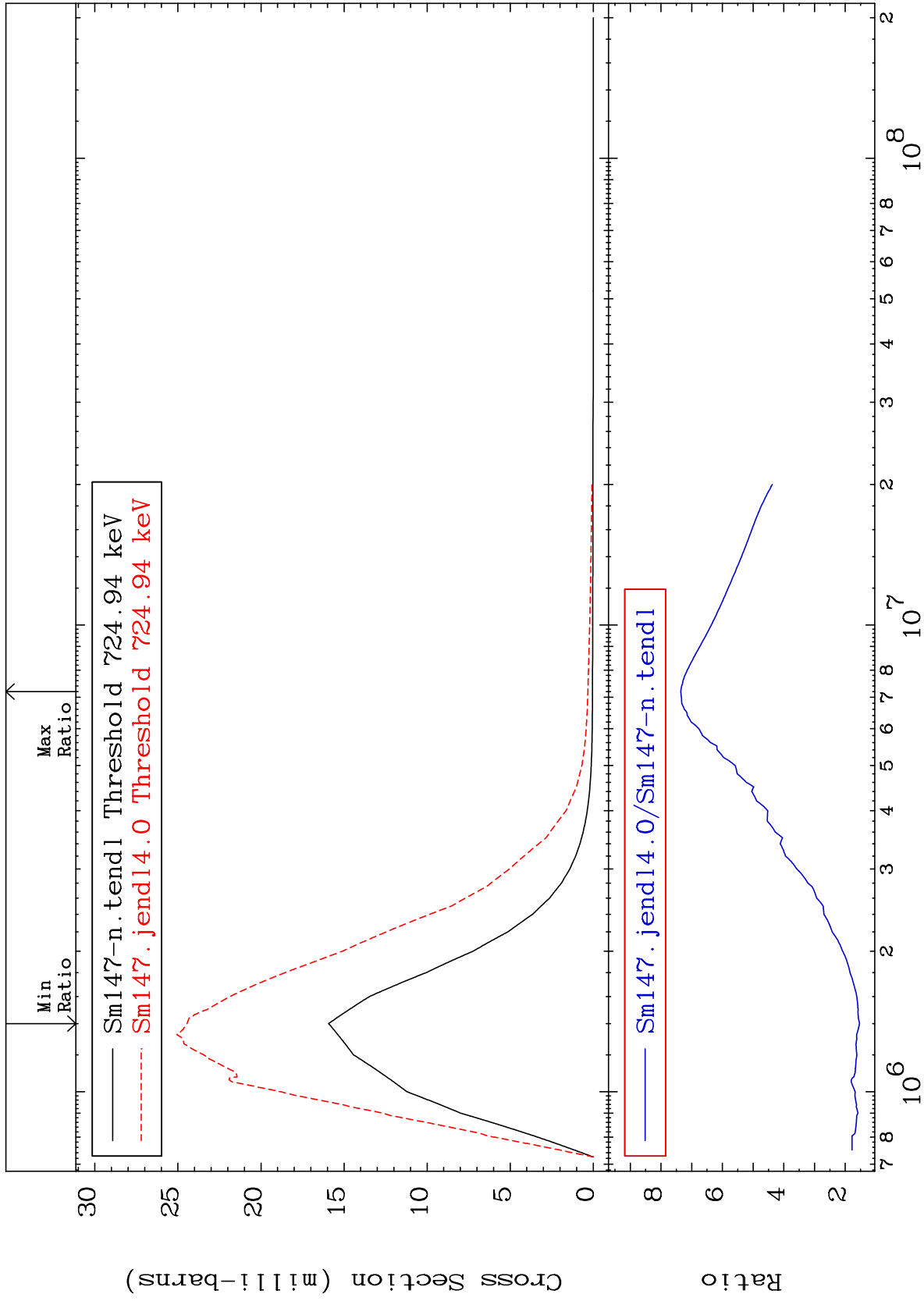


MAT 6234

720.0 keV (n,n') Level

62-Sm-147

53.52 To 635.6 %  
Cross Section



15

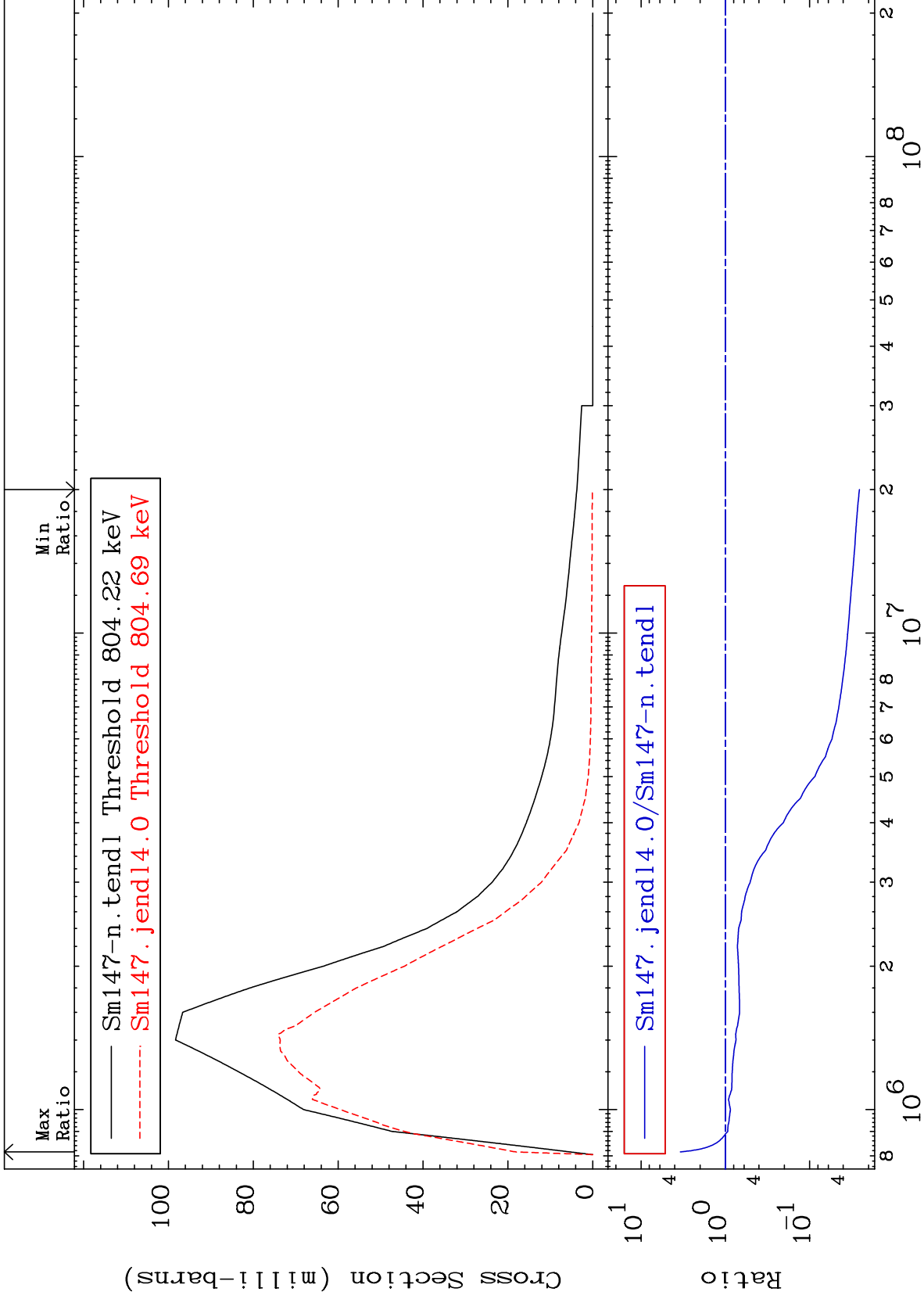
Incident Energy (eV)

62-Sm-147

MAT 6234

798.7 keV (n,n') Level  
Cross Section

62-Sm-147  
-97.43 To 242.6 %



16

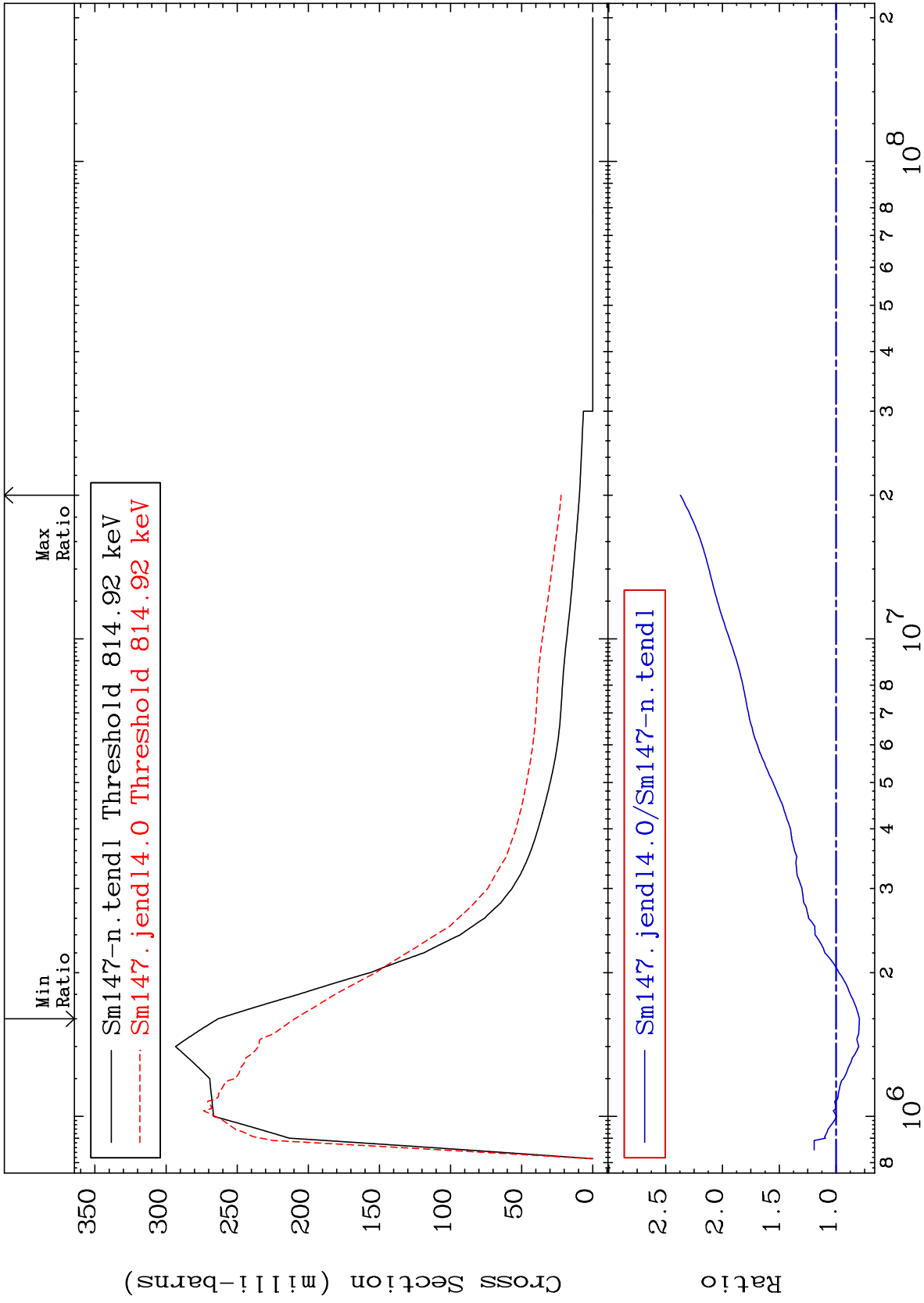
62-Sm-147



MAT 6234

809.4 keV (n,n') Level  
Cross Section

62-Sm-147  
-20.50 To 137.0 %



17

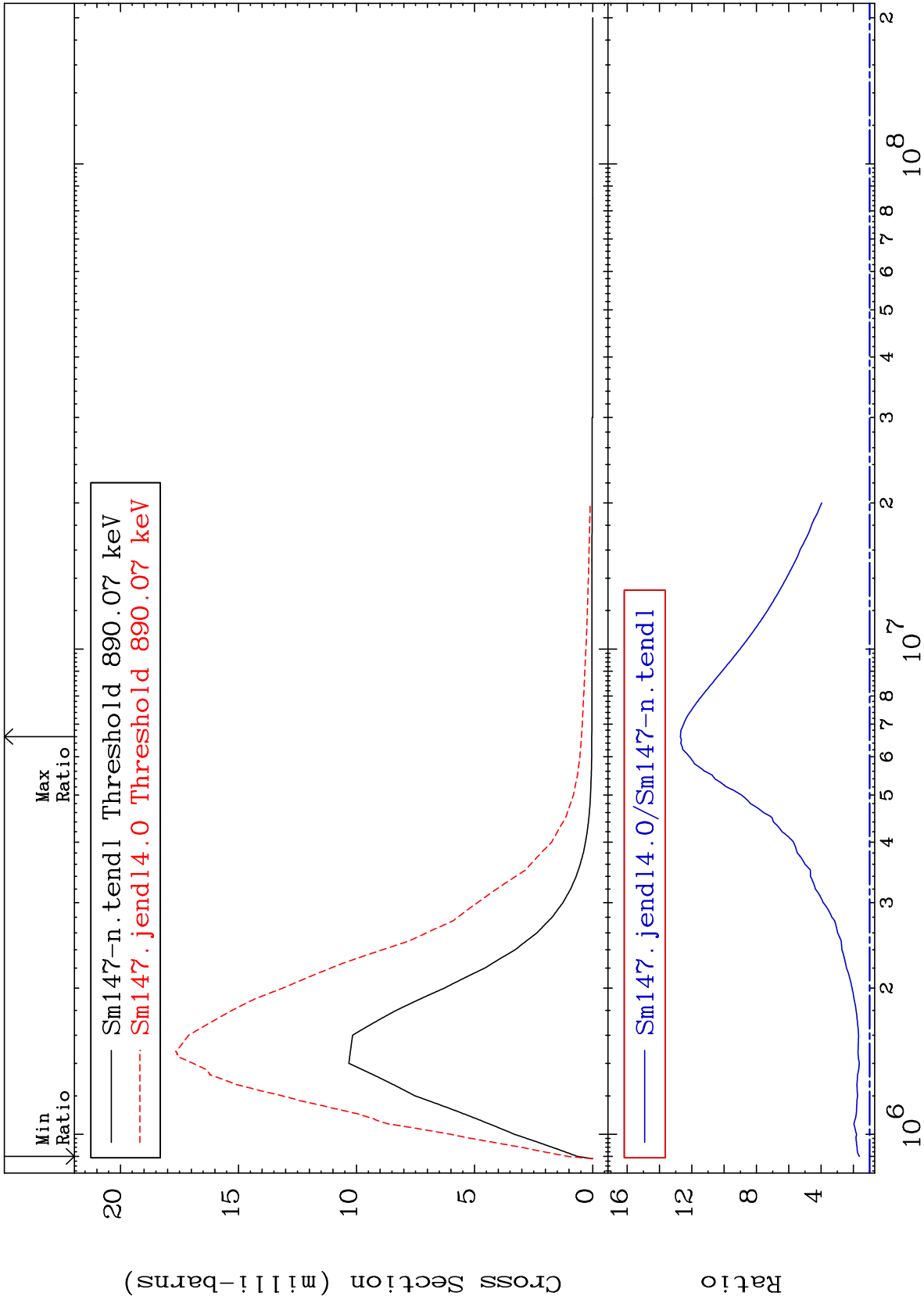
Incident Energy (eV)

62-Sm-147

MAT 6234

884.0 keV (n,n') Level  
Cross Section

62-Sm-147  
63.09 To 1171. %



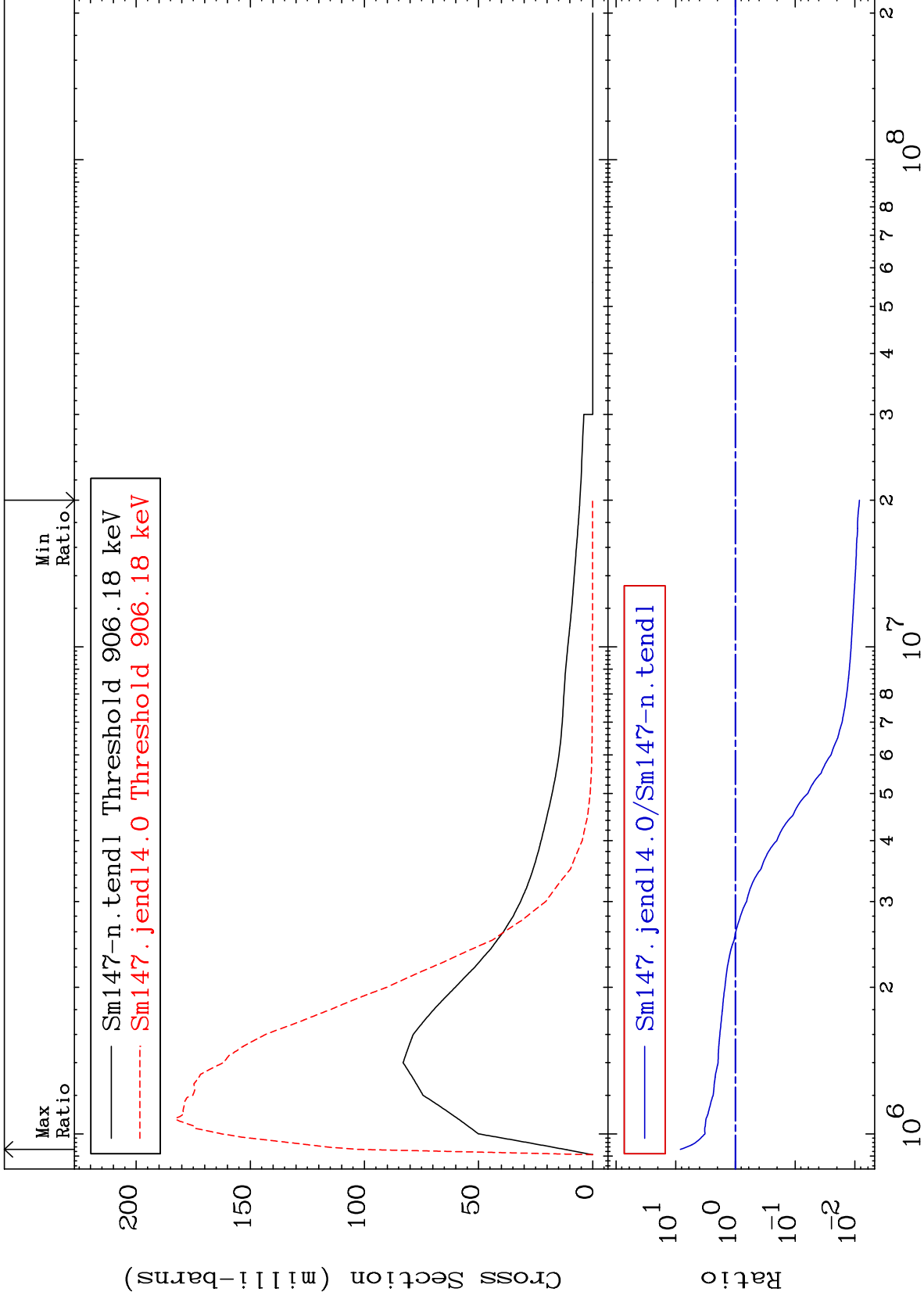
Incident Energy (eV)

62-Sm-147

MAT 6234

900.0 keV (n,n') Level  
Cross Section

62-Sm-147  
-99.16 To 735.8 %



19

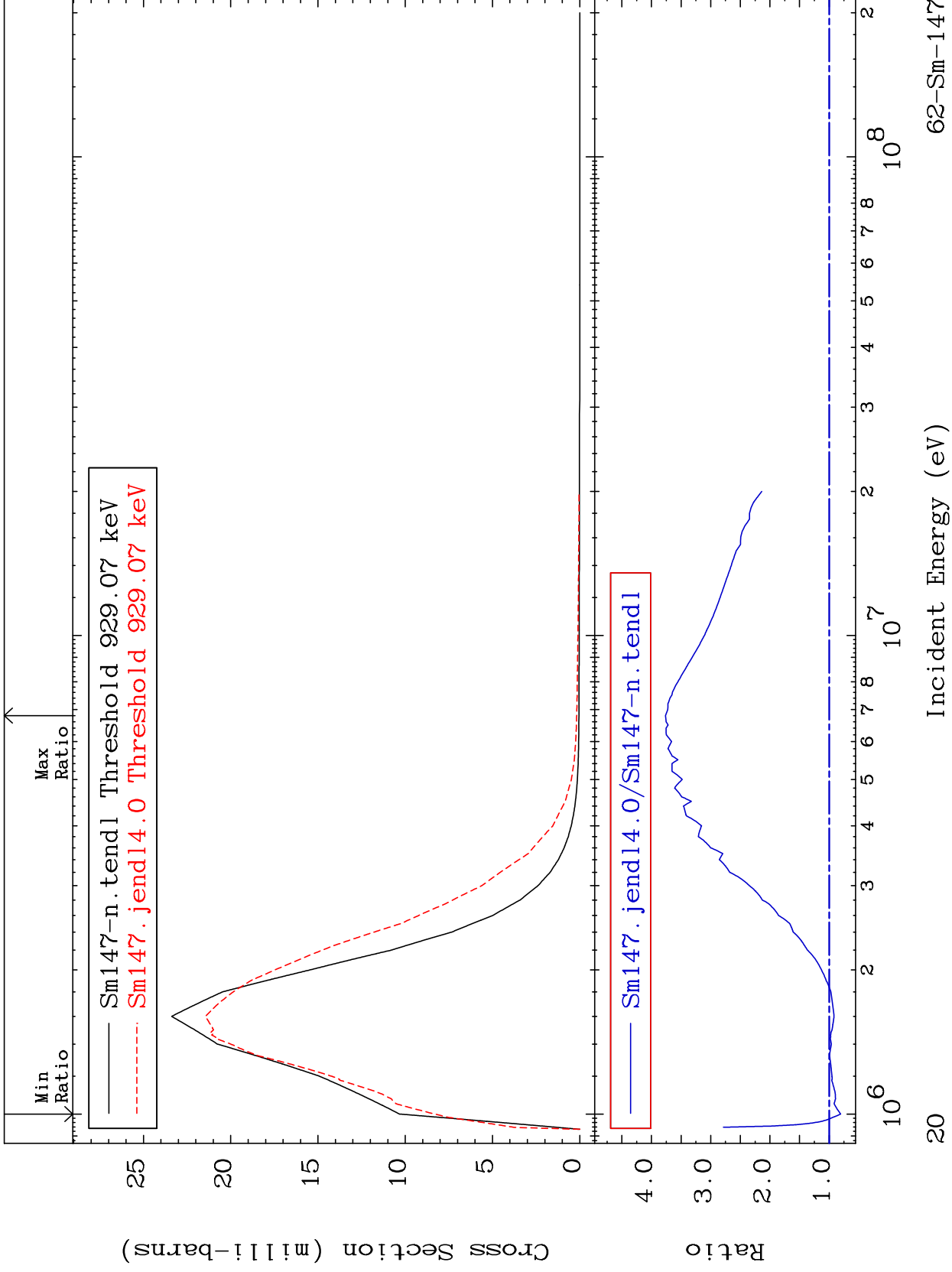
Incident Energy (eV)

62-Sm-147

MAT 6234

922.7 keV (n,n') Level  
Cross Section

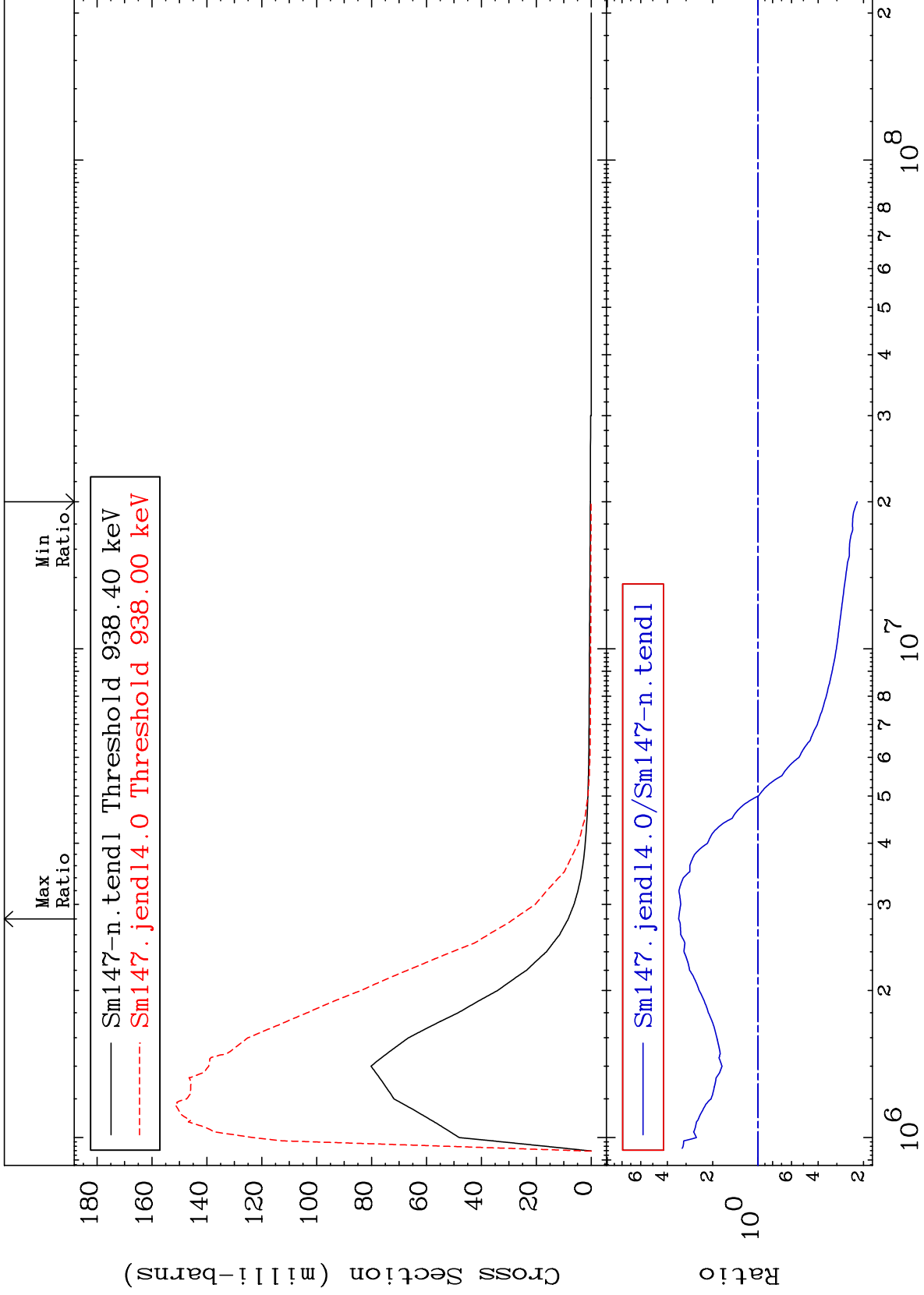
62-Sm-147  
-19.43 To 276.3 %



MAT 6234

932.0 keV (n,n') Level  
Cross Section

62-Sm-147  
-78.01 To 236.6 %



21

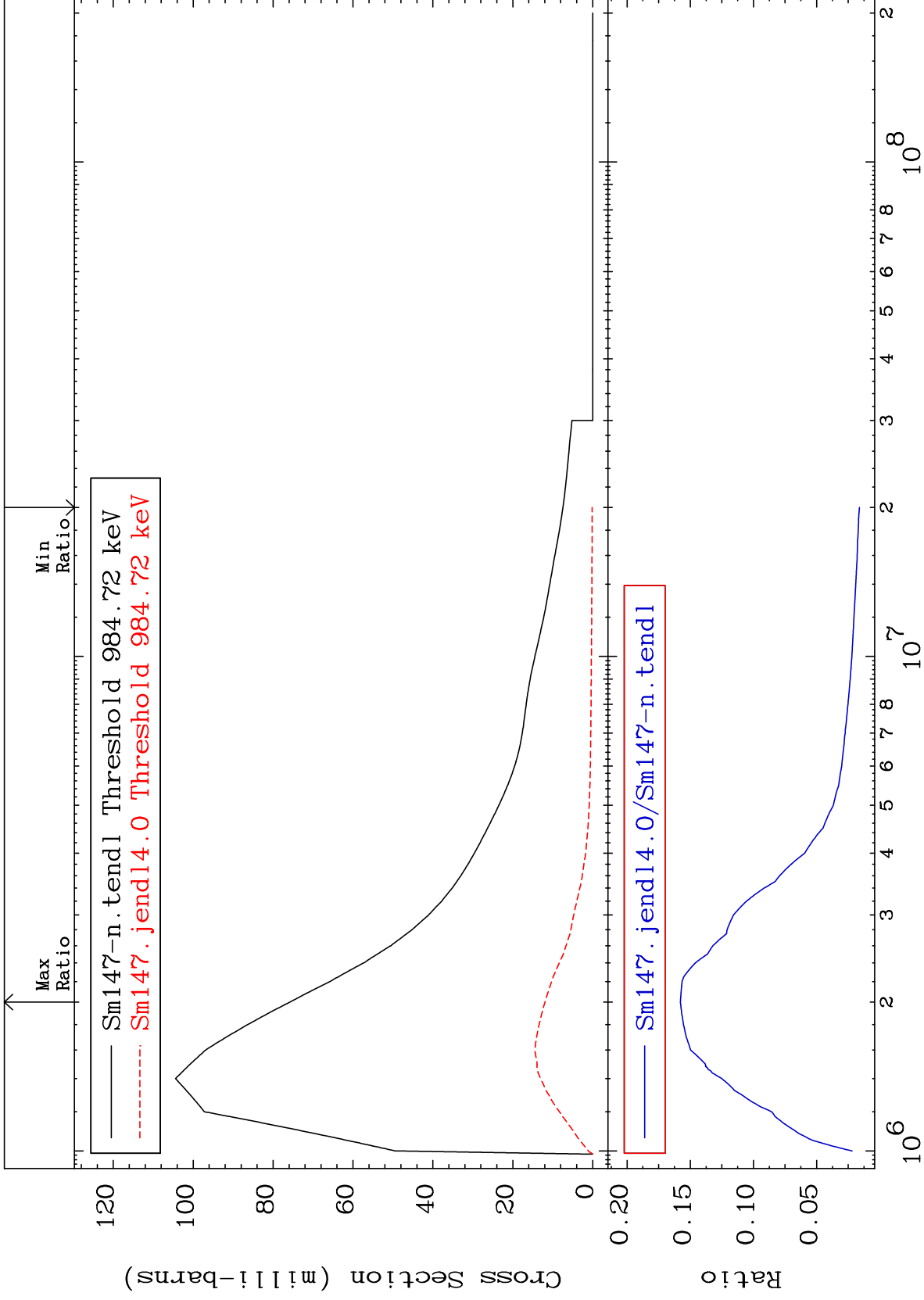
Incident Energy (eV)

62-Sm-147

MAT 6234

978.0 keV (n,n') Level  
Cross Section

62-Sm-147  
-98.38 To -84.22%



22

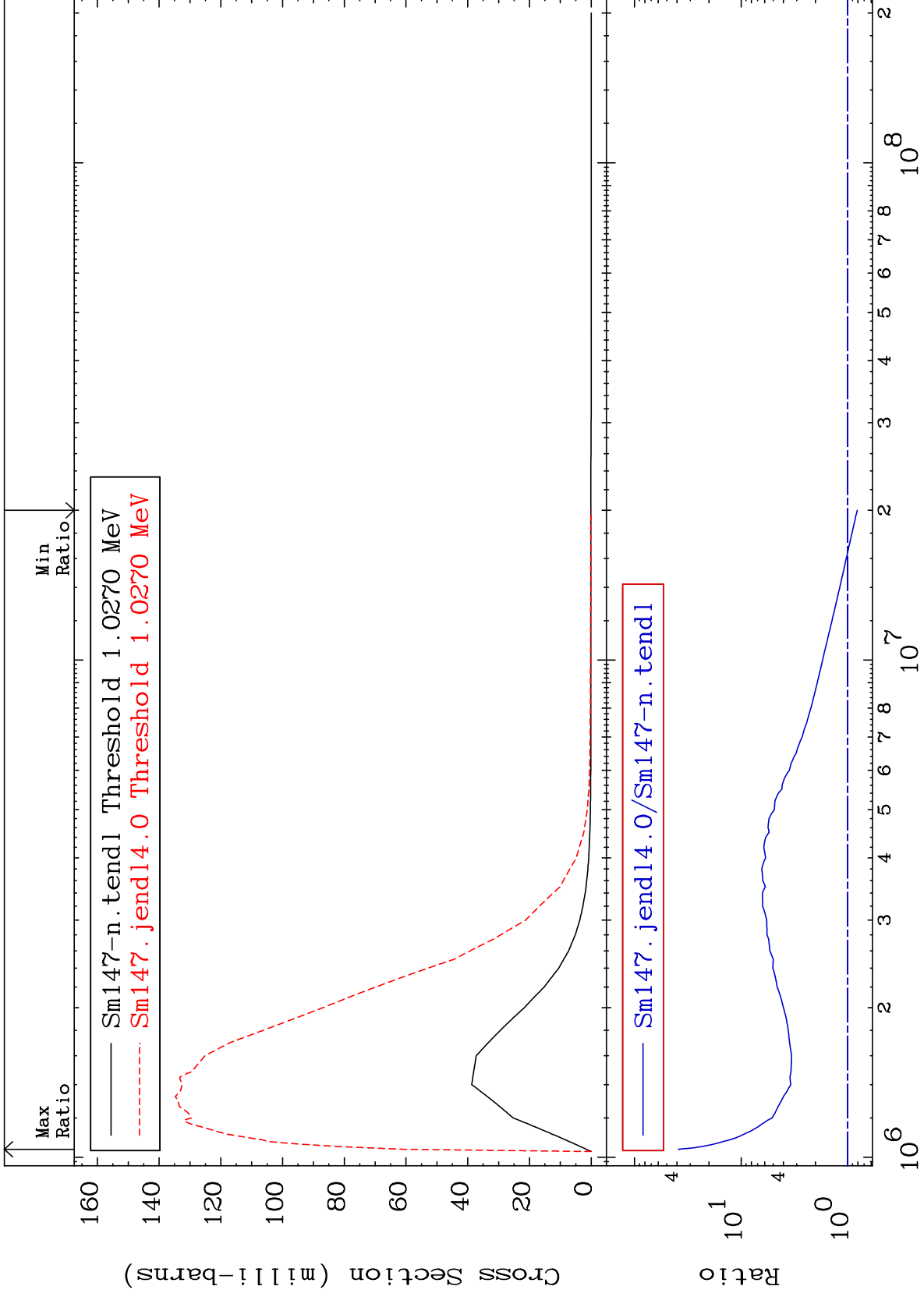
Incident Energy (eV)

62-Sm-147

MAT 6234

1.020 MeV (n,n') Level  
Cross Section

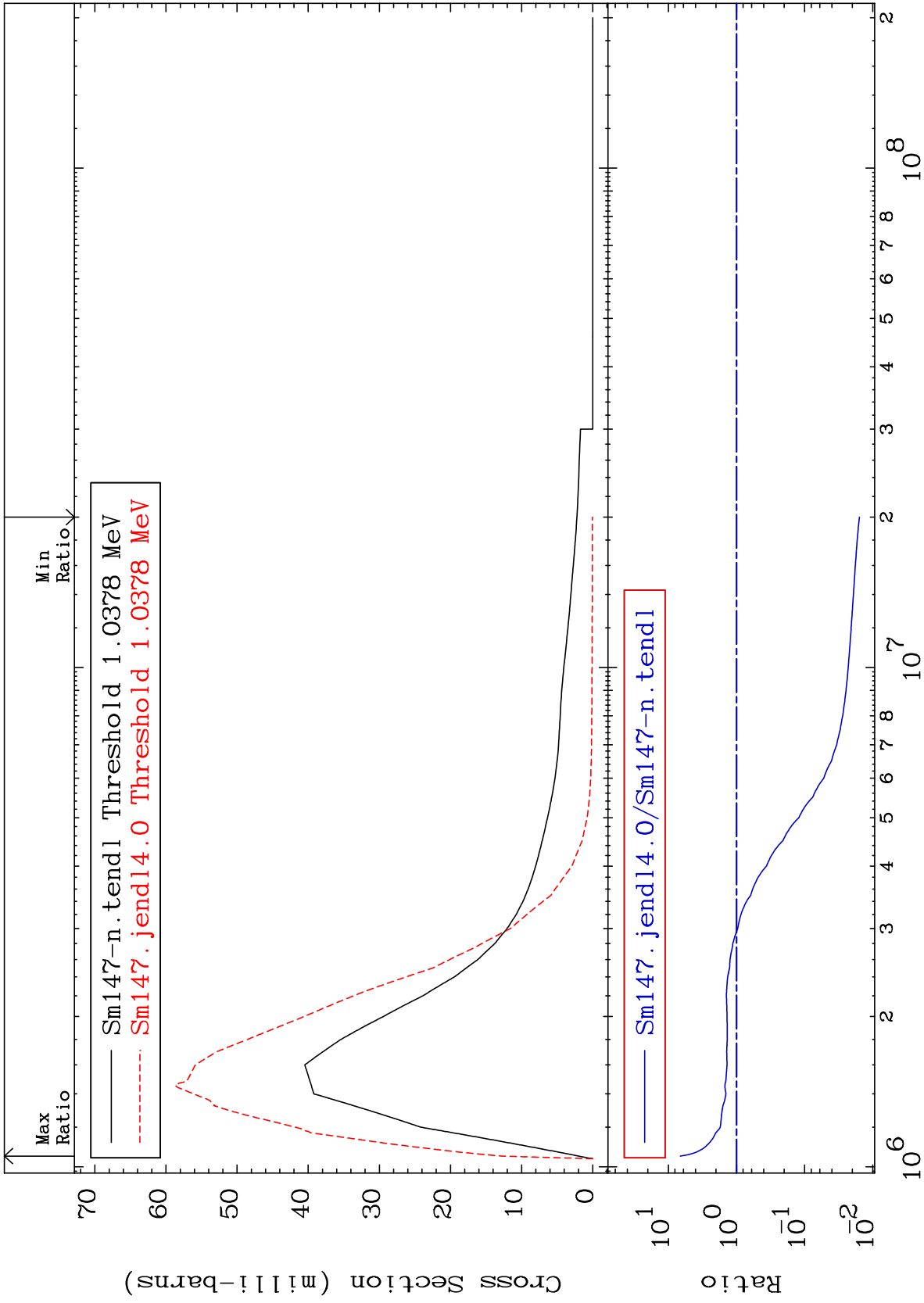
62-Sm-147  
-18.82 To 3758. %



MAT 6234

1.031 MeV (n,n') Level  
Cross Section

62-Sm-147  
-98.43 To 566.7 %



24

Incident Energy (eV)

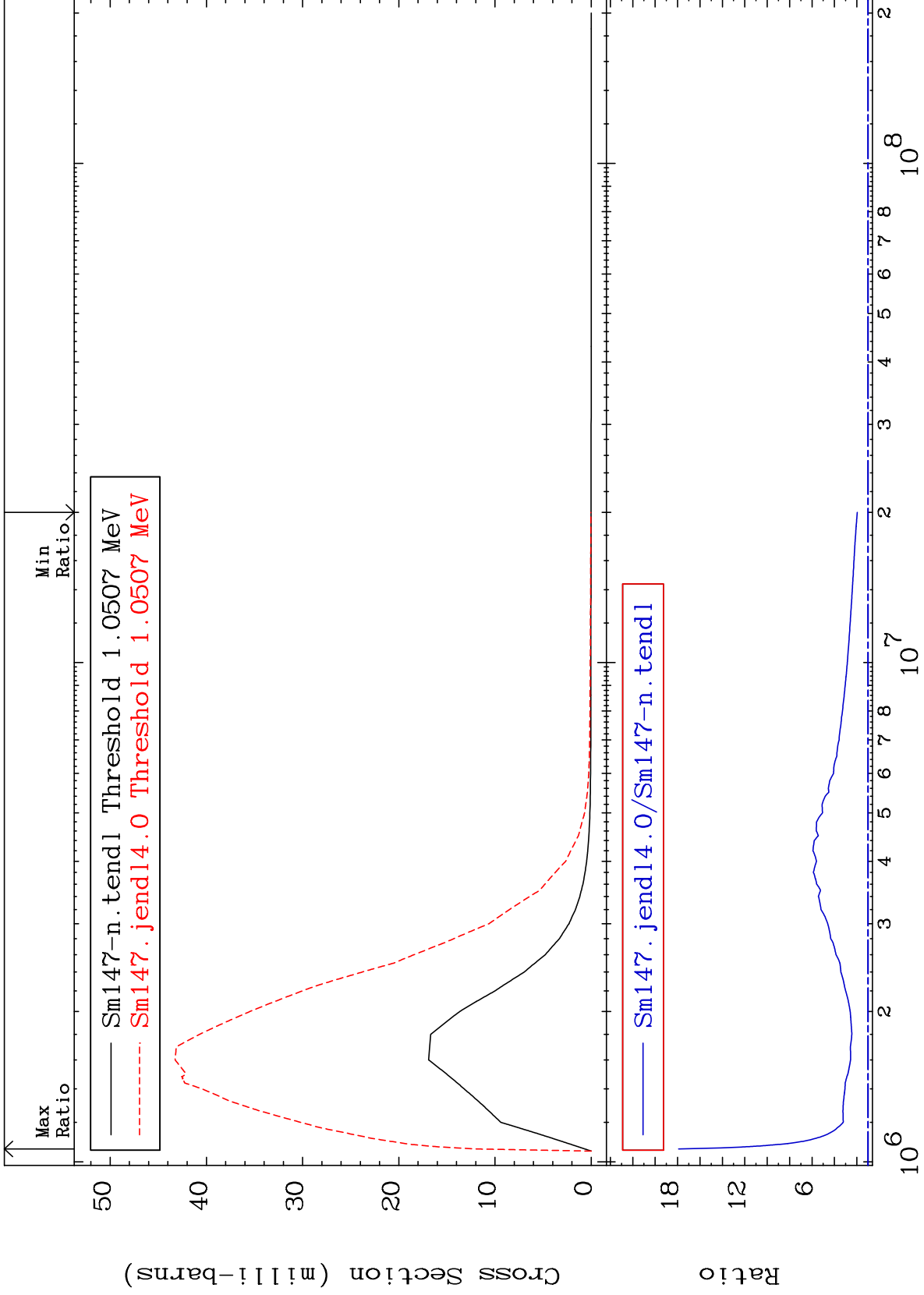
62-Sm-147



MAT 6234

1.044 MeV (n,n') Level  
Cross Section

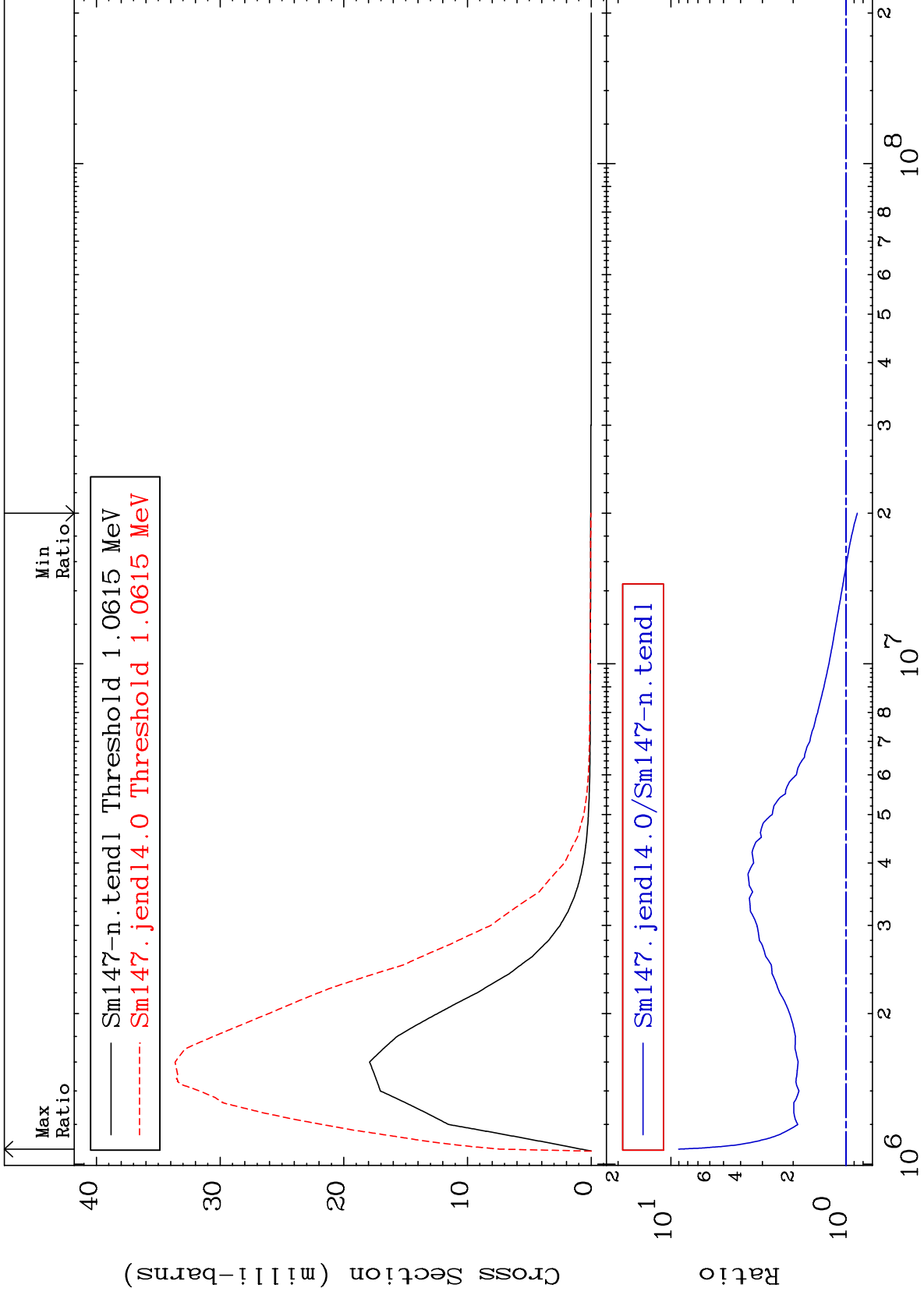
62-Sm-147  
96.31 To 1690. %



MAT 6234

1.054 MeV (n,n') Level  
Cross Section

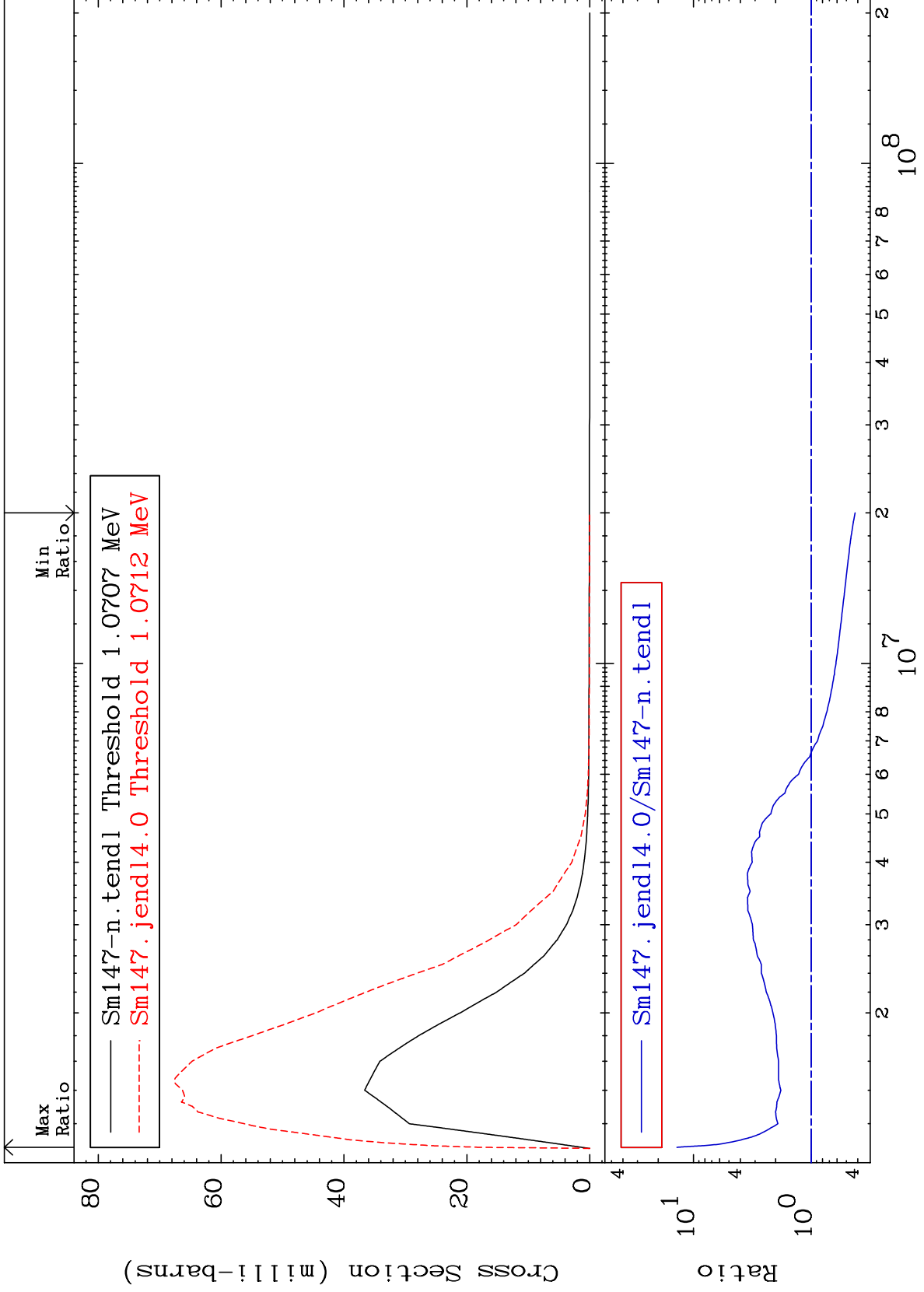
62-Sm-147  
-13.72 To 802.4 %



MAT 6234

1.063 MeV (n,n') Level  
Cross Section

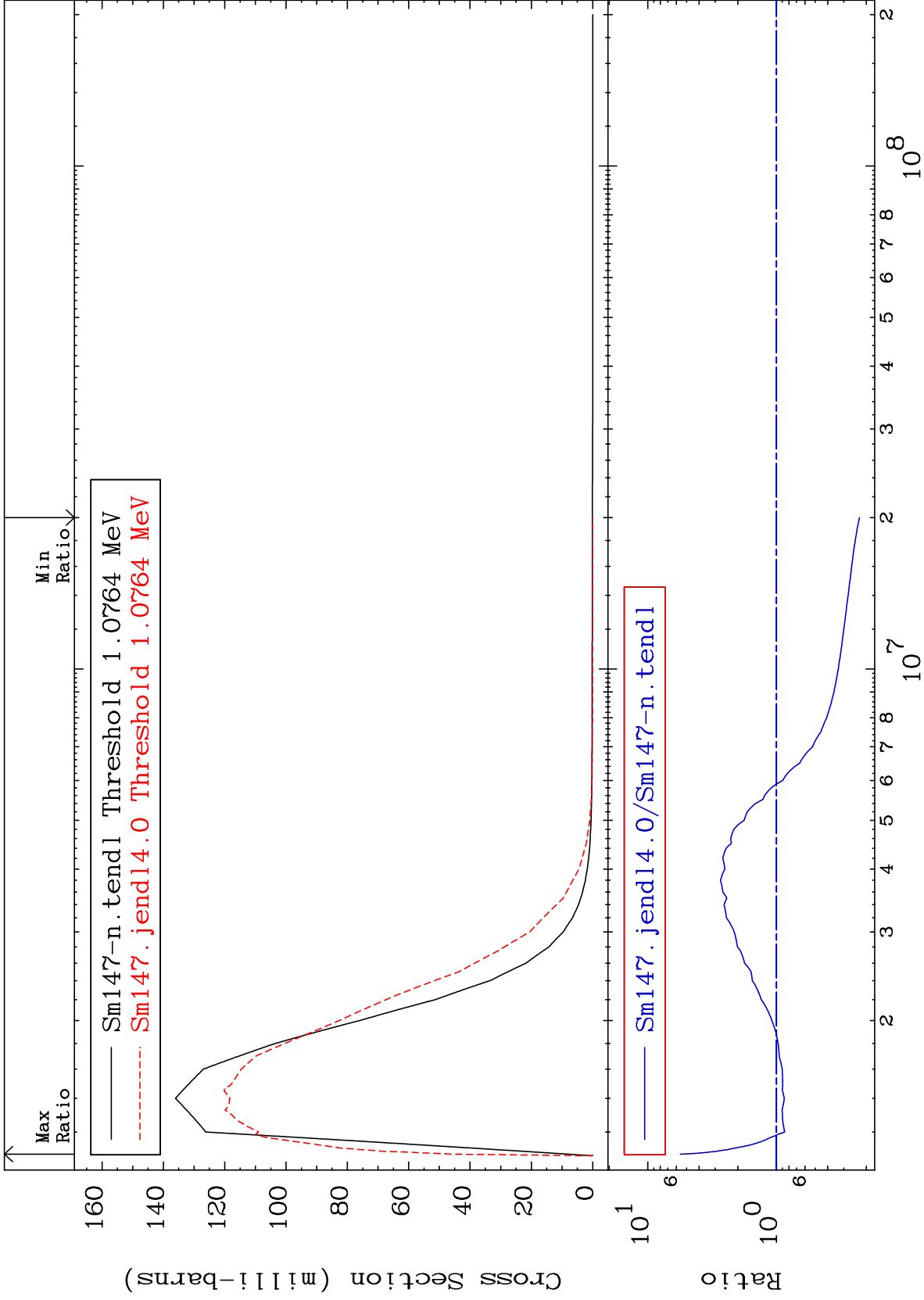
62-Sm-147  
-57.80 To 1286. %



MAT 6234

1.069 MeV (n,n') Level  
Cross Section

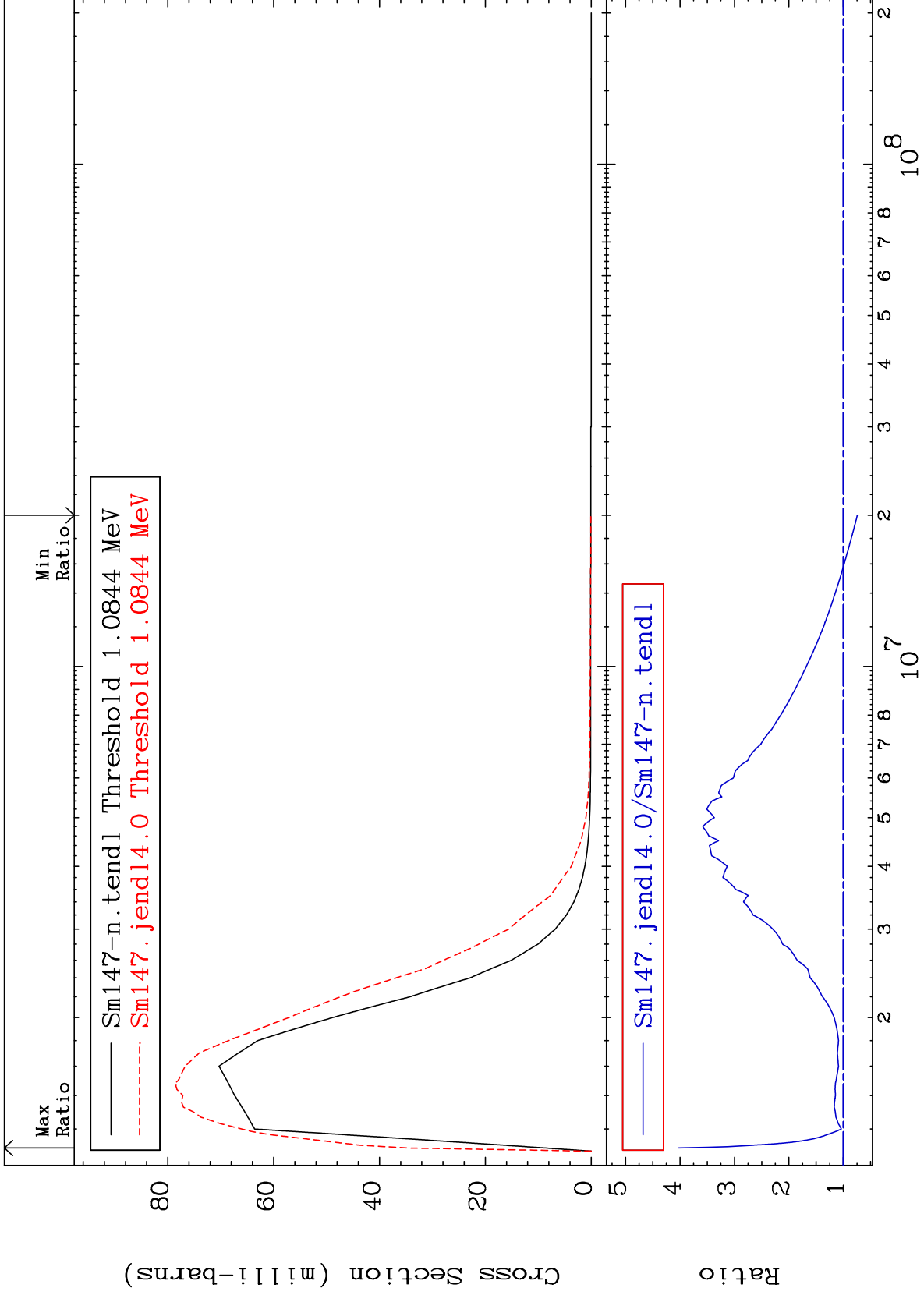
62-Sm-147  
-77.34 To 458.8 %



MAT 6234

1.077 MeV (n,n') Level  
Cross Section

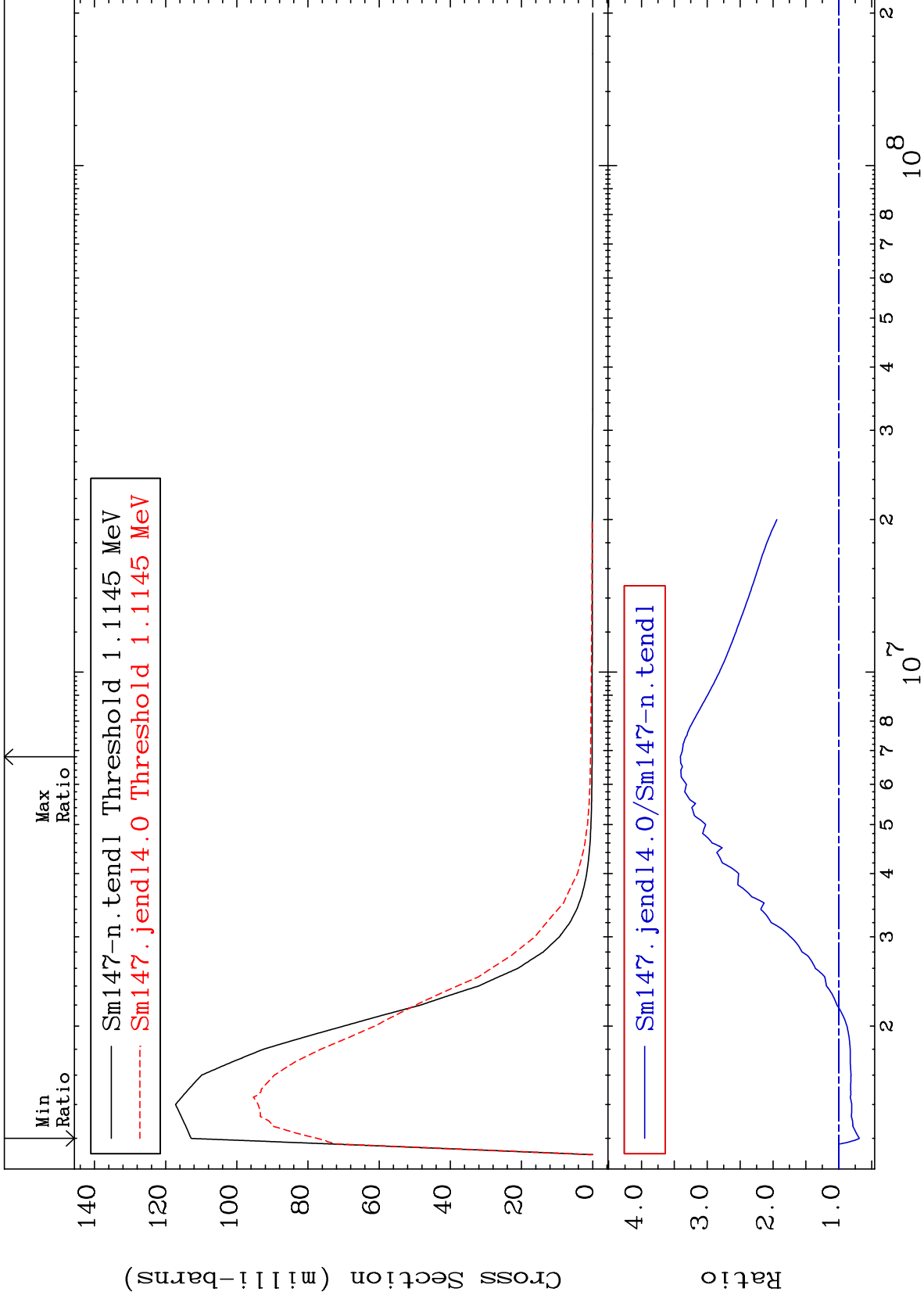
62-Sm-147  
-25.48 To 302.5 %



MAT 6234

1.107 MeV (n,n') Level  
Cross Section

62-Sm-147  
-31.42 To 240.9 %



30

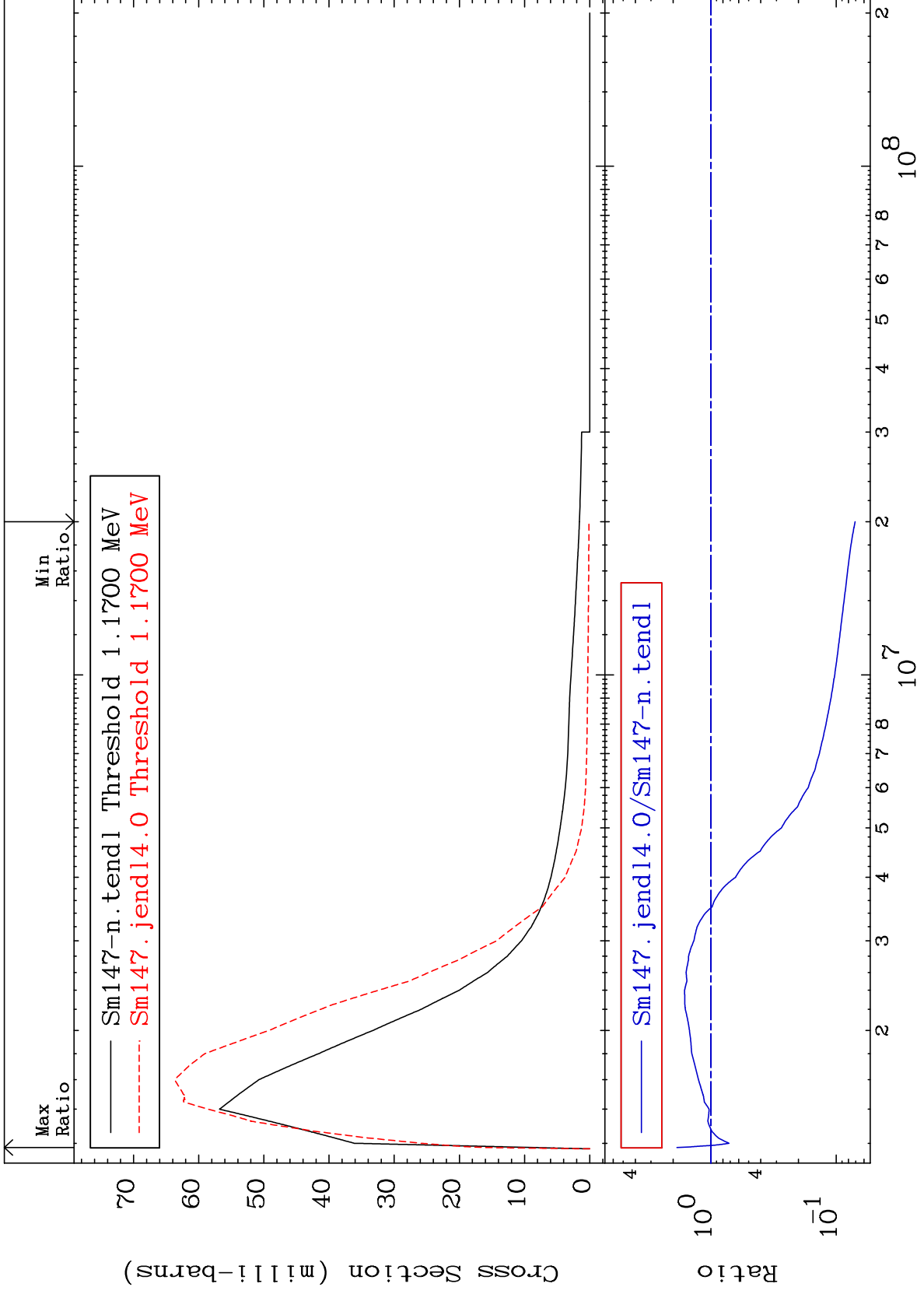
Incident Energy (eV)

62-Sm-147

MAT 6234

1.162 MeV (n,n') Level  
Cross Section

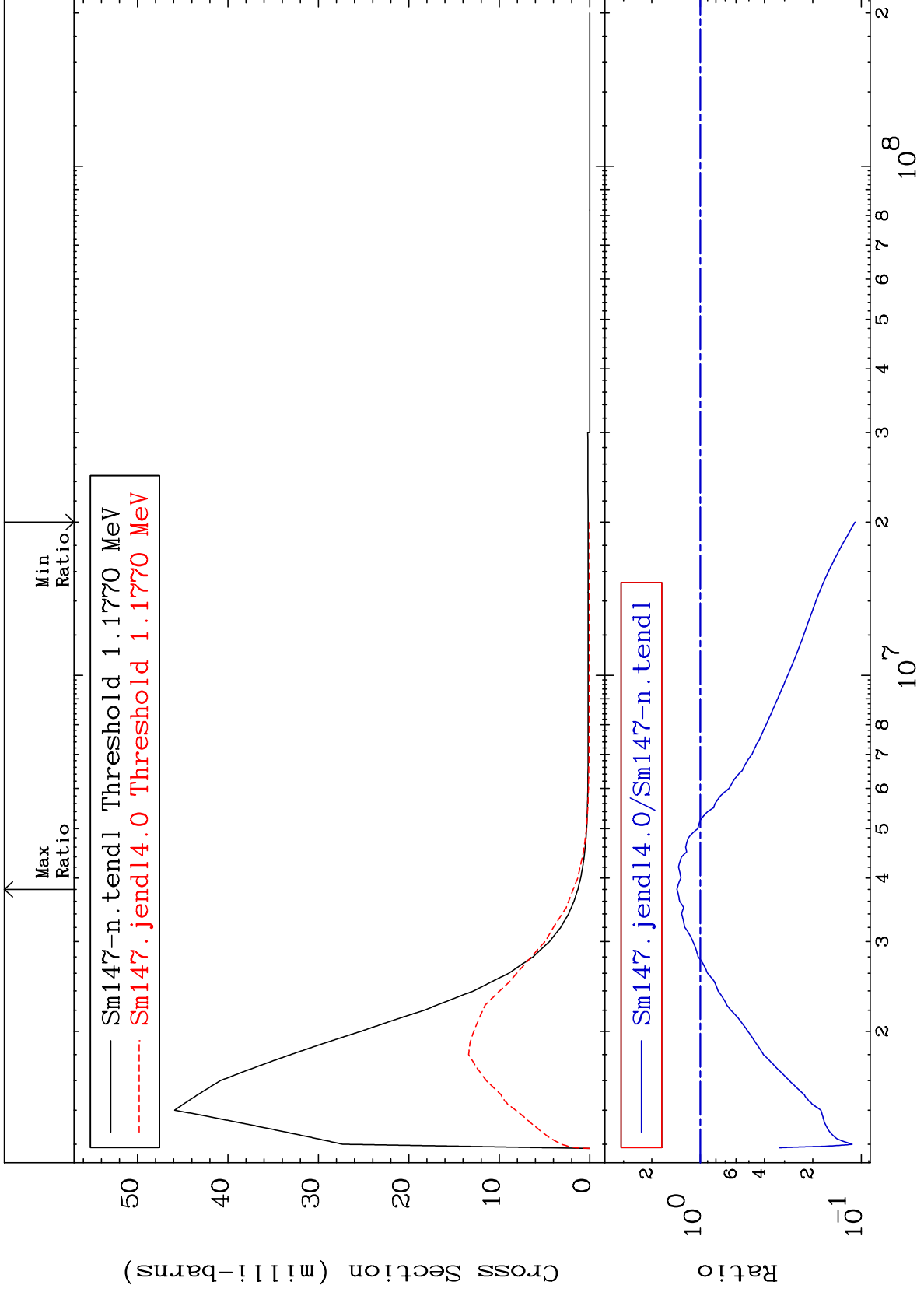
62-Sm-147  
-92.92 To 86.26 %



MAT 6234

1.169 MeV (n,n') Level  
Cross Section

62-Sm-147  
-89.07 To 39.71 %

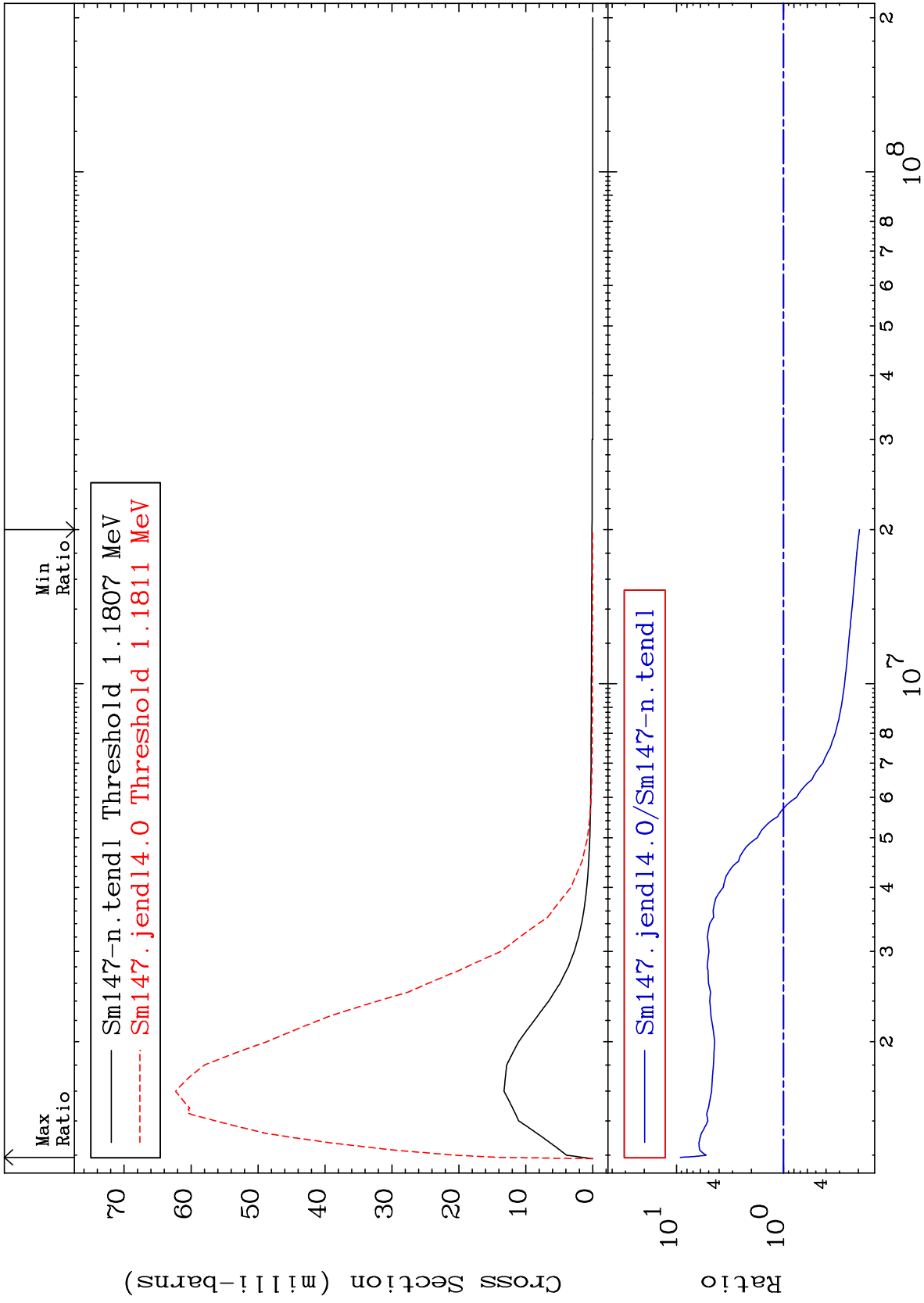




MAT 6234

1.173 MeV (n,n') Level  
Cross Section

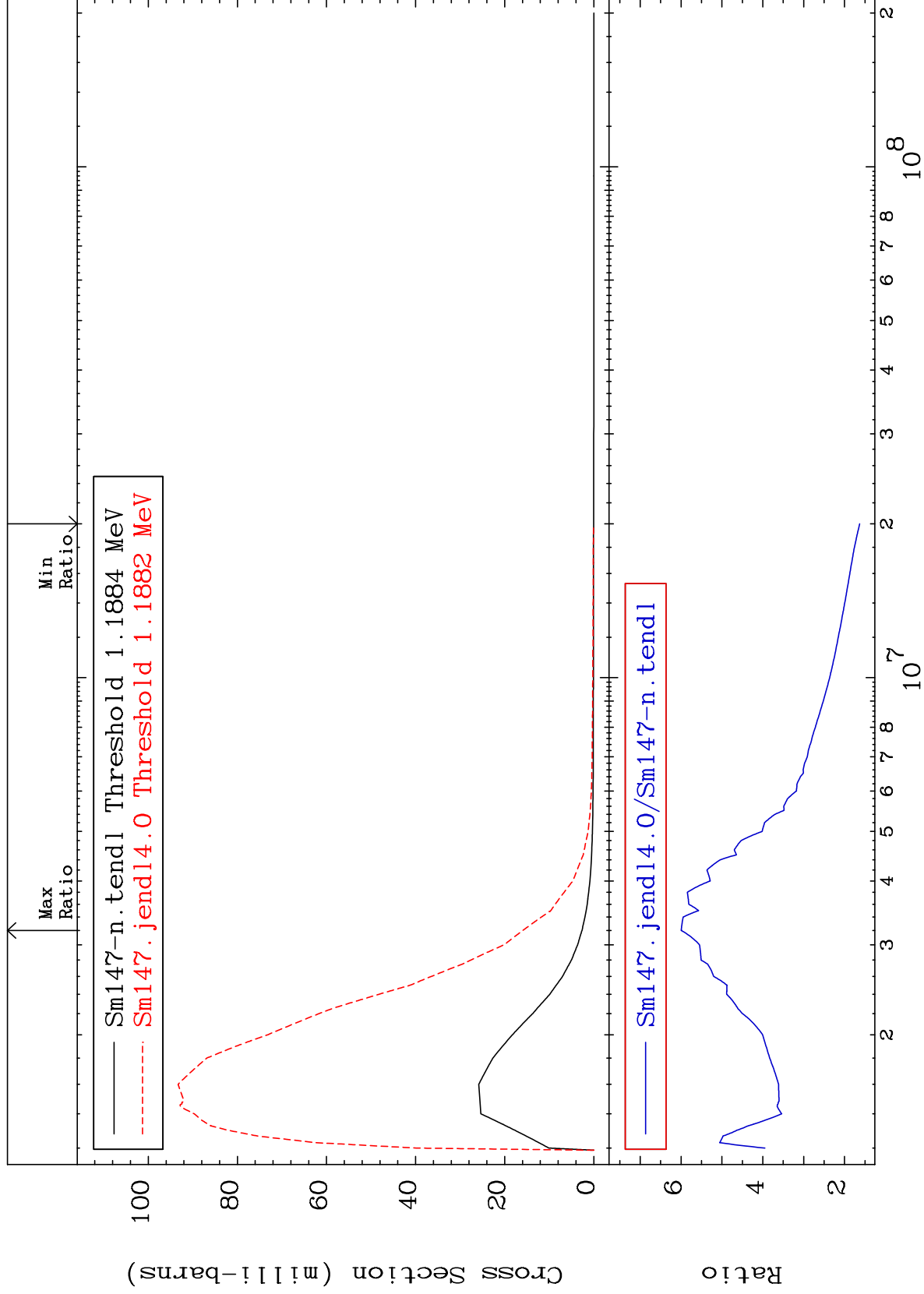
62-Sm-147  
-80.46 To 820.9 %



MAT 6234

1.180 MeV (n,n') Level  
Cross Section

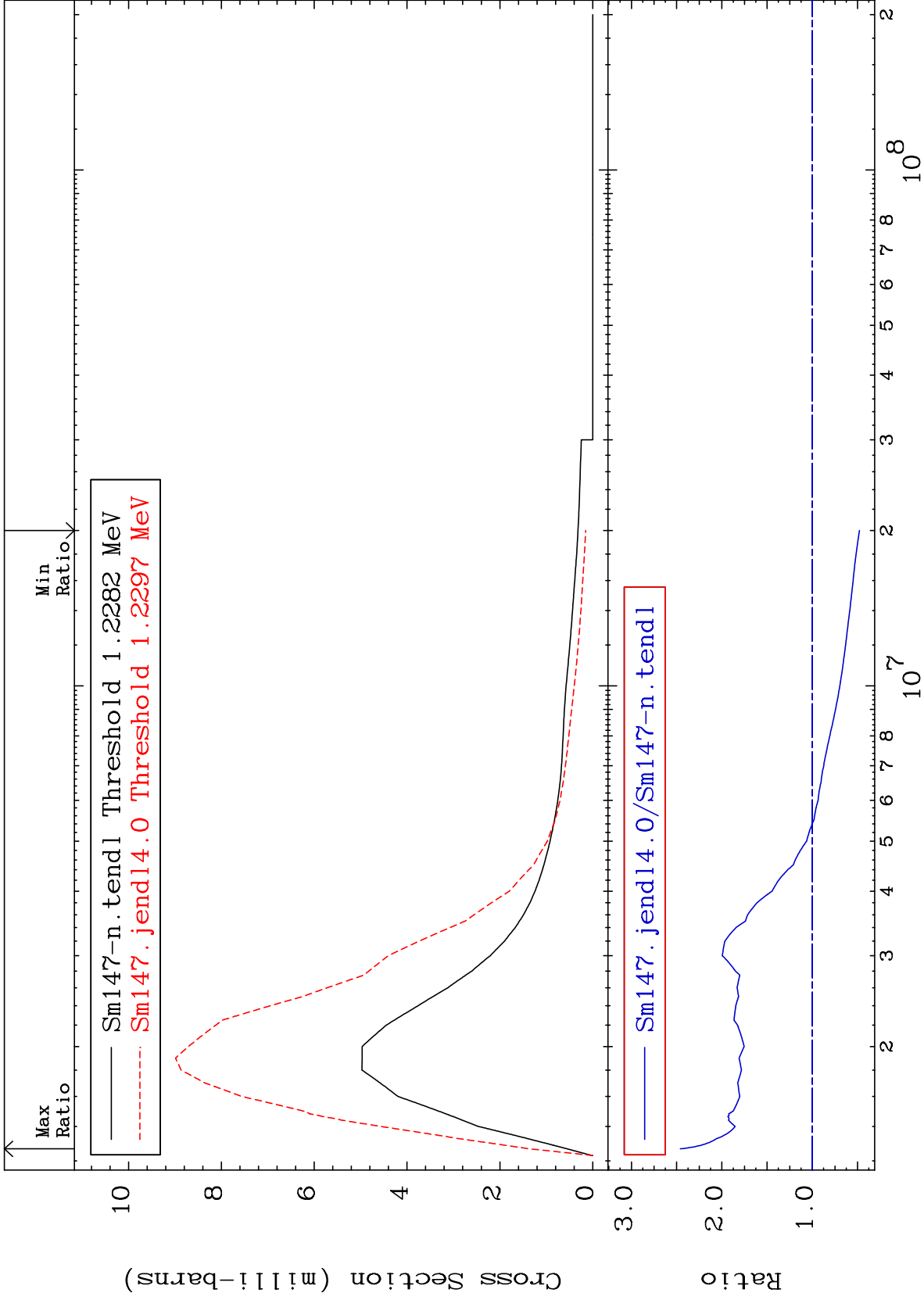
62-Sm-147  
63.08 To 499.7 %



MAT 6234

1.220 MeV (n,n') Level  
Cross Section

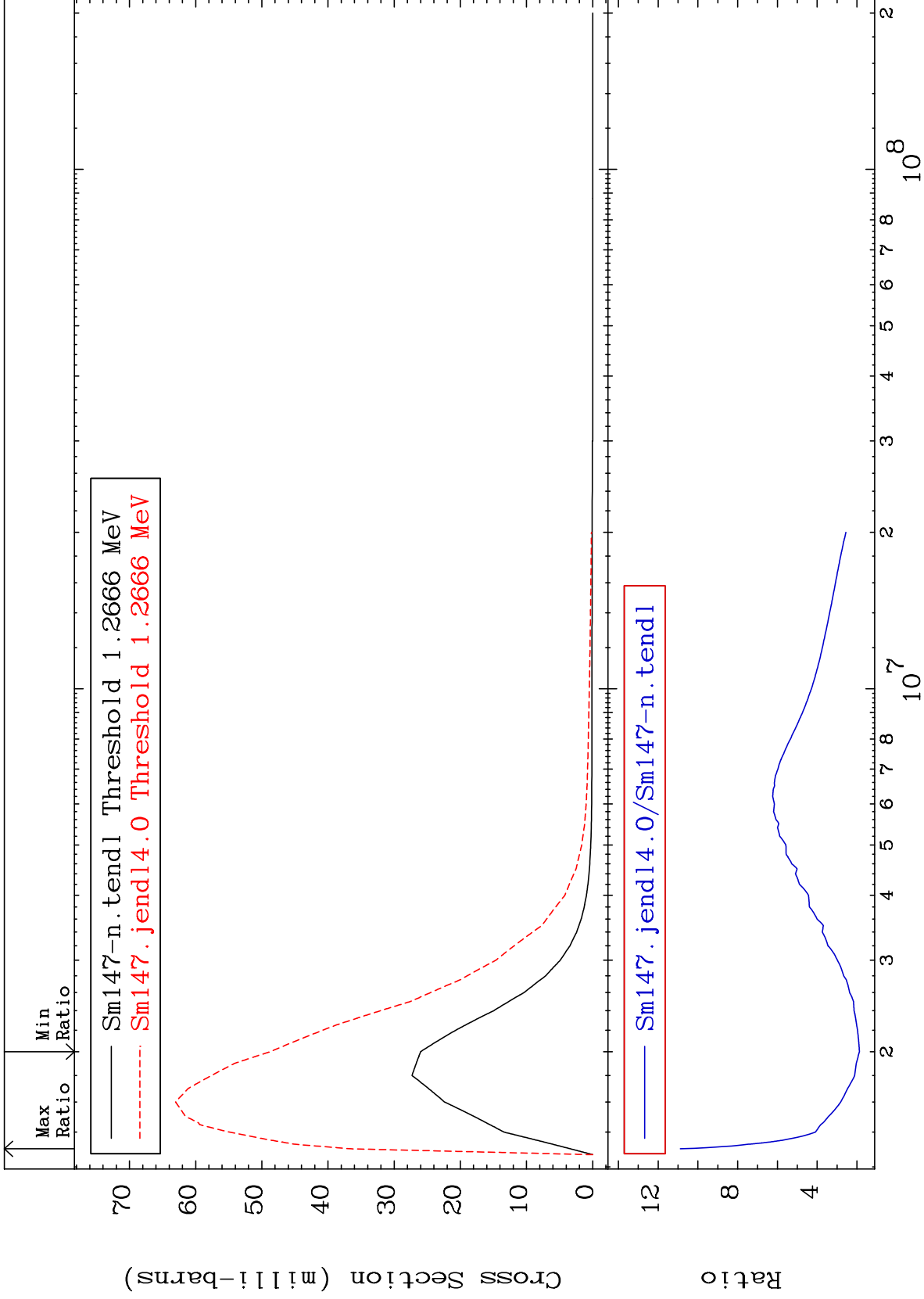
62-Sm-147  
-52.09 To 145.9 %



MAT 6234

1.258 MeV (n,n') Level  
Cross Section

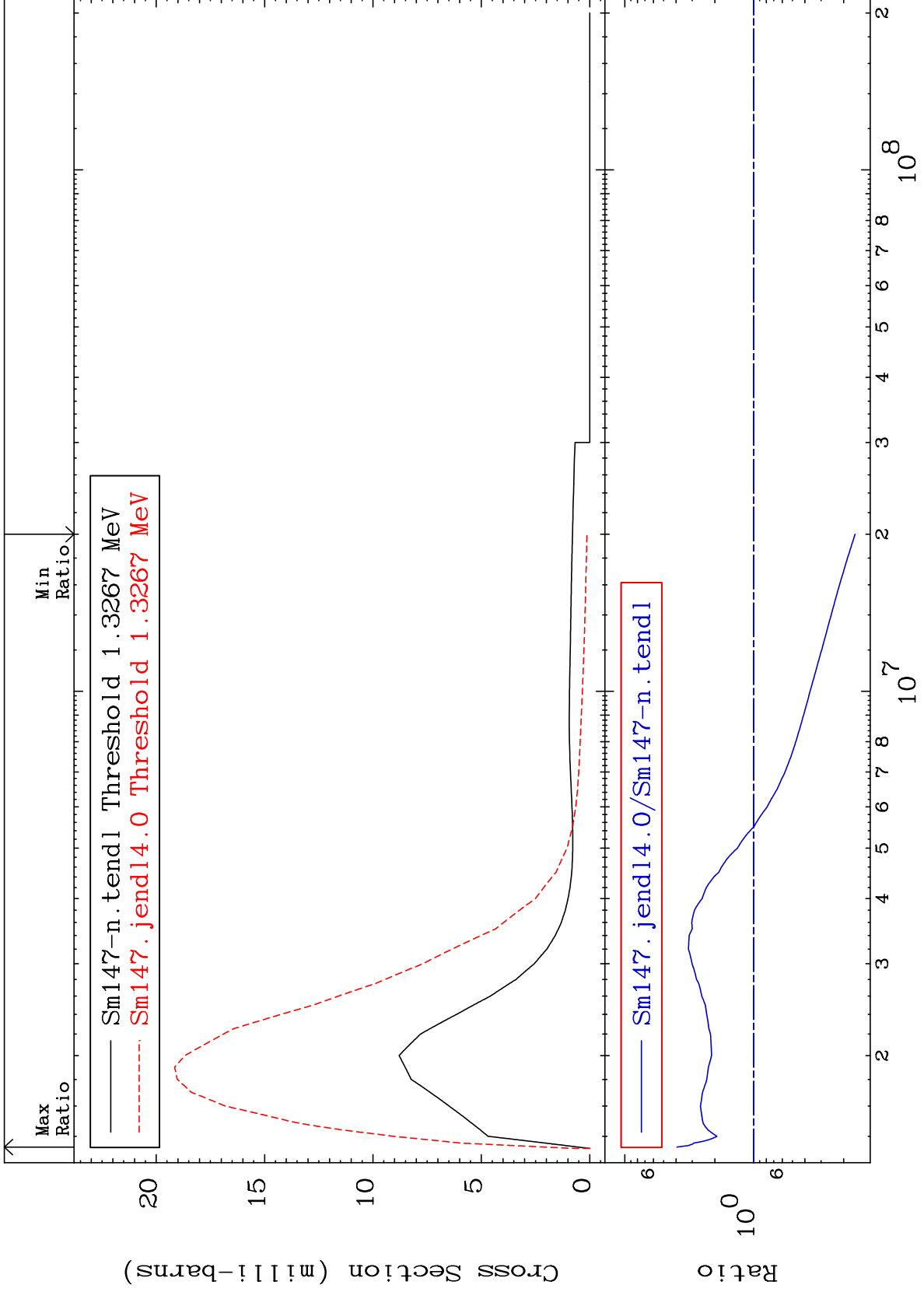
87.30 To 988.2 %  
62-Sm-147

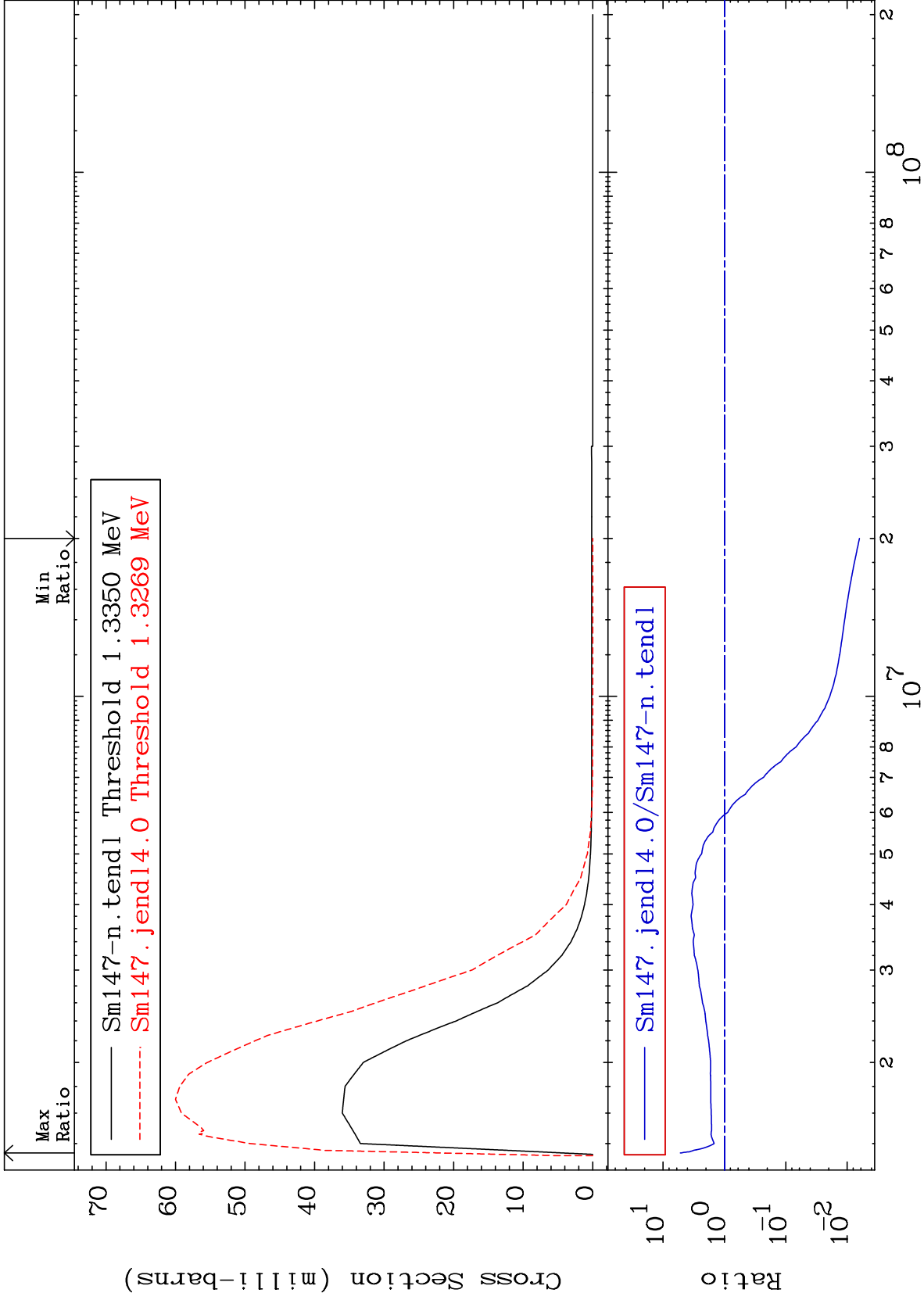


MAT 6234

1.318 MeV (n,n') Level  
Cross Section

62-Sm-147  
-83.66 To 294.5 %

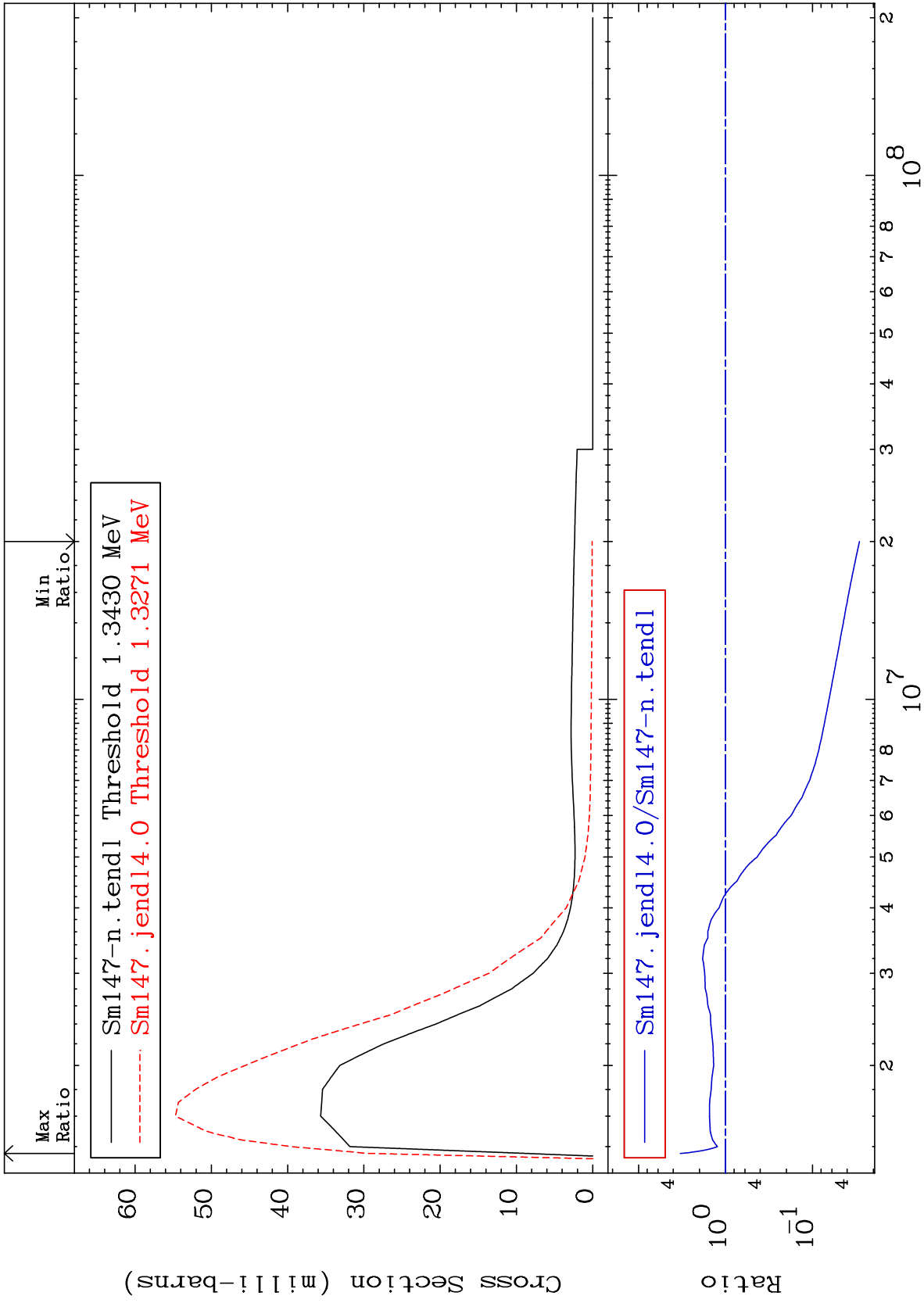




MAT 6234

1.334 MeV (n,n') Level  
Cross Section

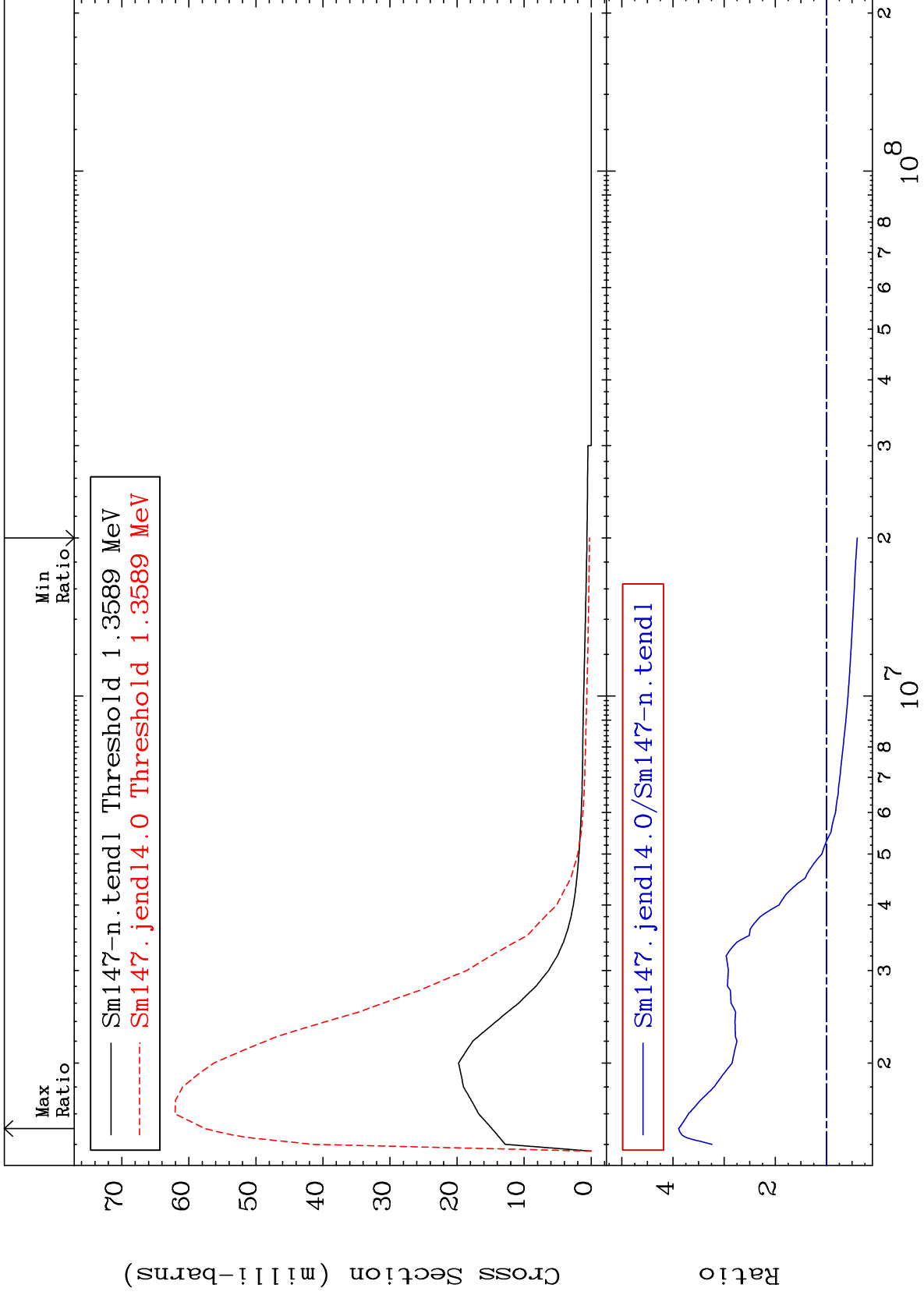
62-Sm-147  
-97.10 To 231.6 %



MAT 6234

1.350 MeV (n,n') Level  
Cross Section

62-Sm-147  
-60.10 To 289.0 %



40

Incident Energy (eV)

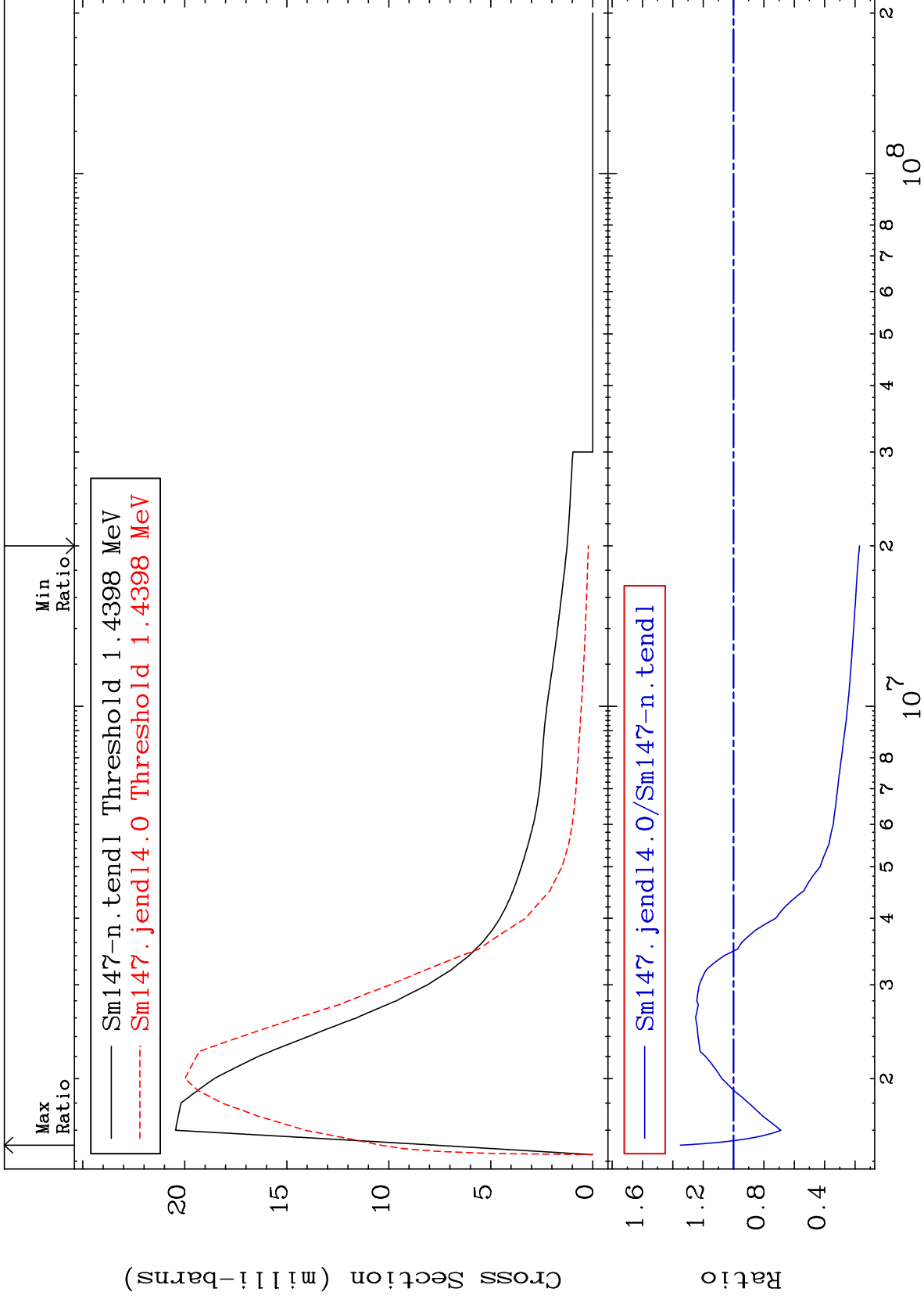
62-Sm-147



MAT 6234

1.430 MeV (n,n') Level  
Cross Section

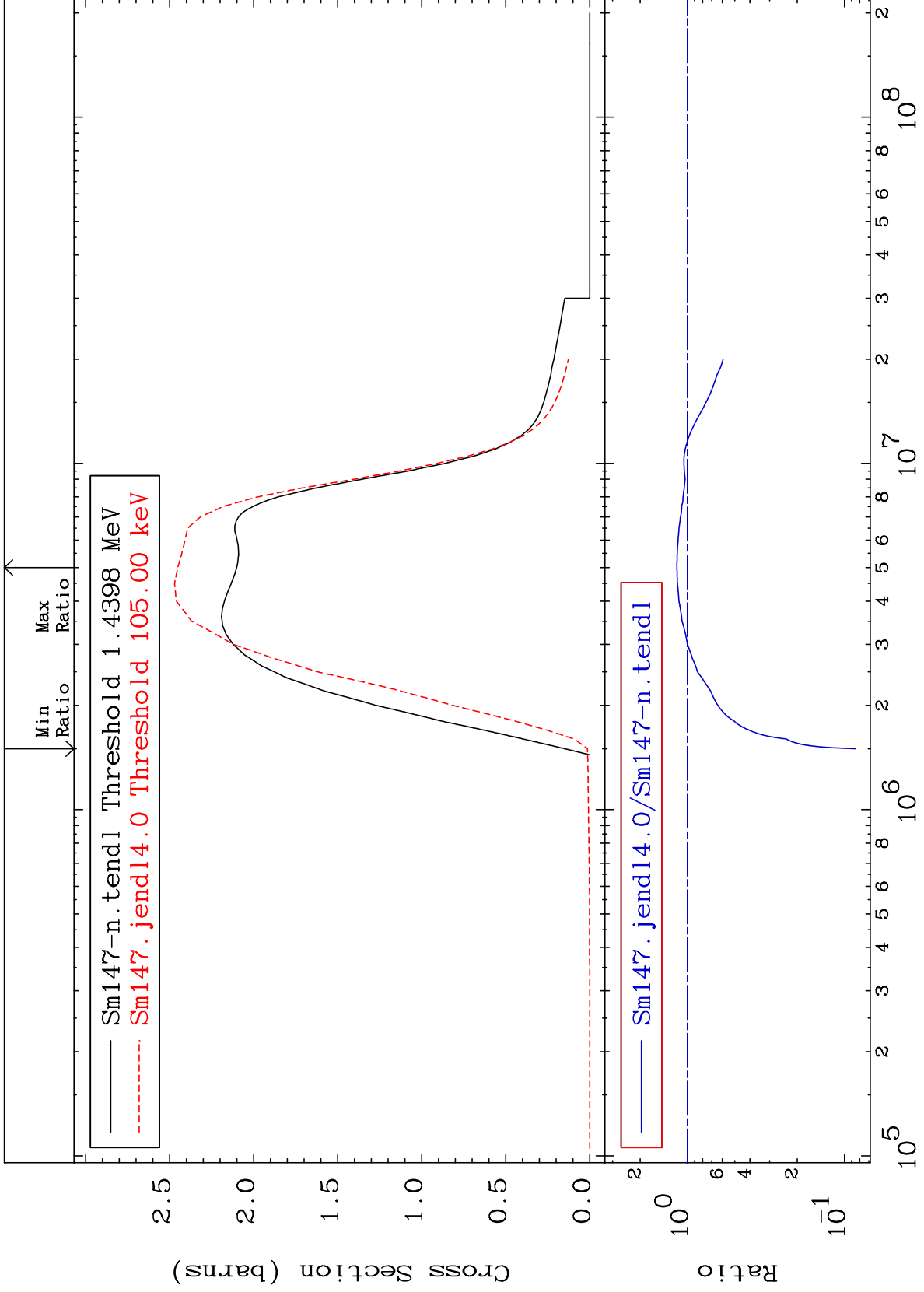
62-Sm-147  
-82.90 To 35.06 %



MAT 6234

(n, n') Continuum  
Cross Section

62-Sm-147  
-91.45 To 16.66 %



42

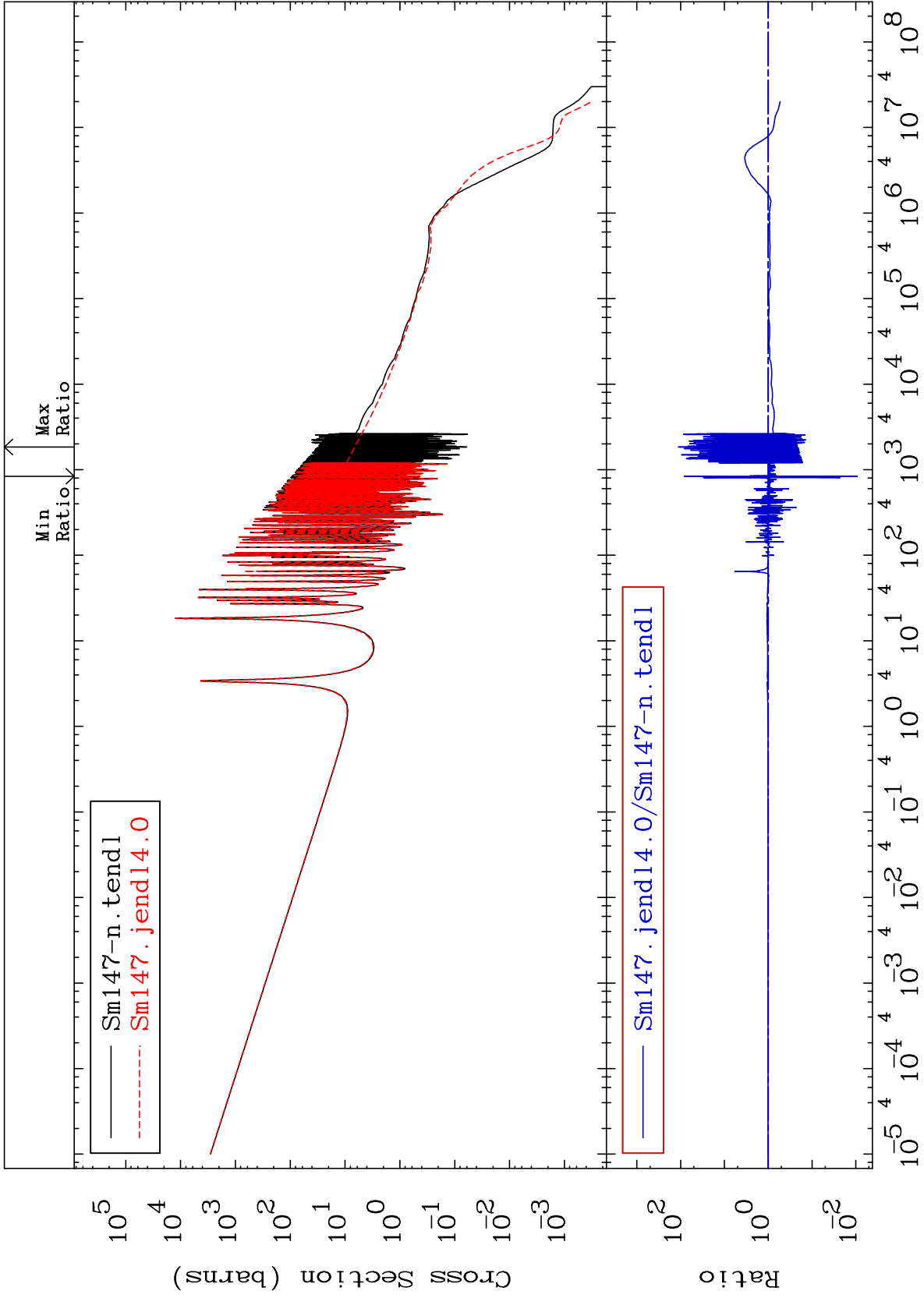
Incident Energy (eV)

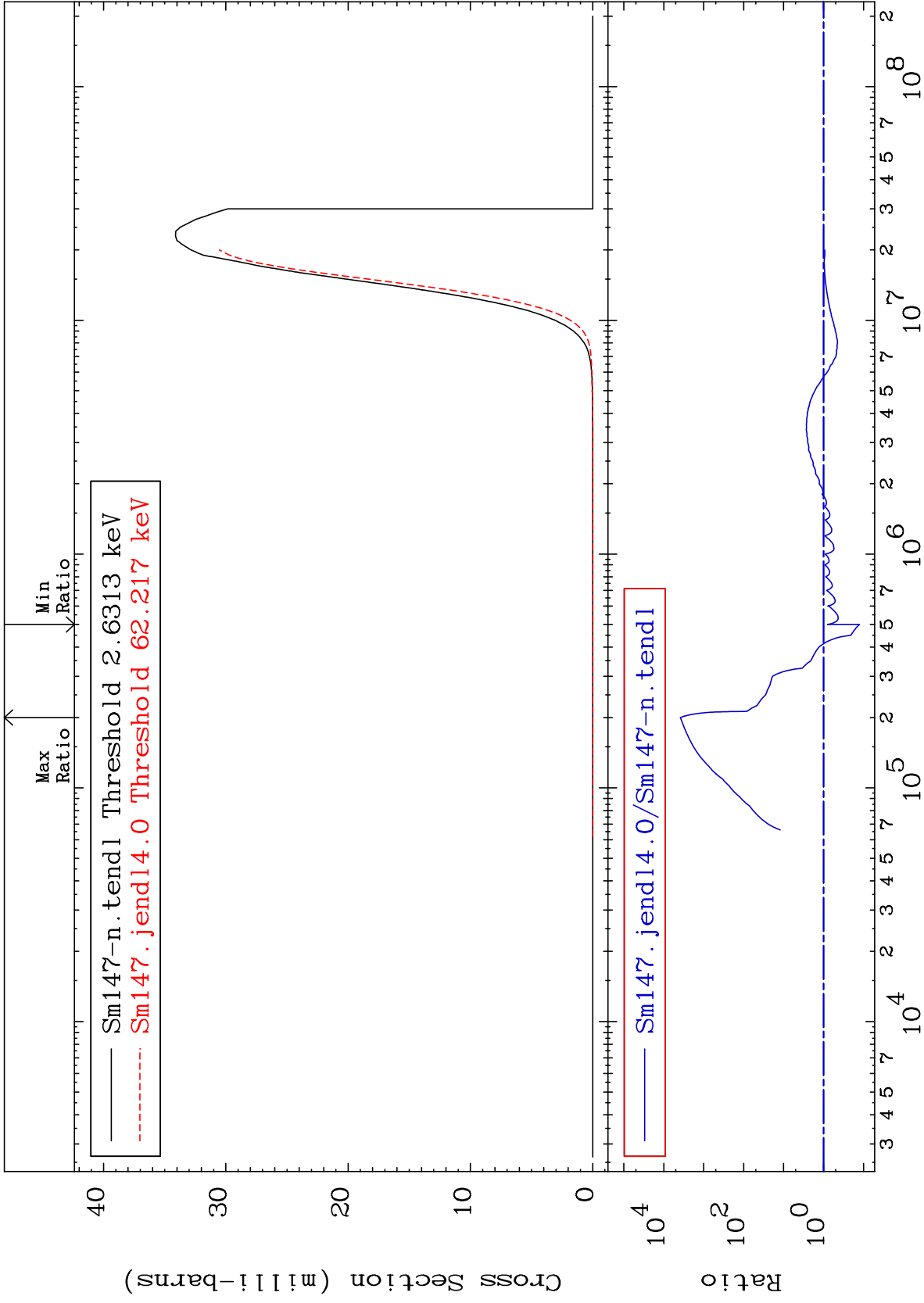
62-Sm-147

MAT 6234

(n,  $\gamma$ )  
Cross Section

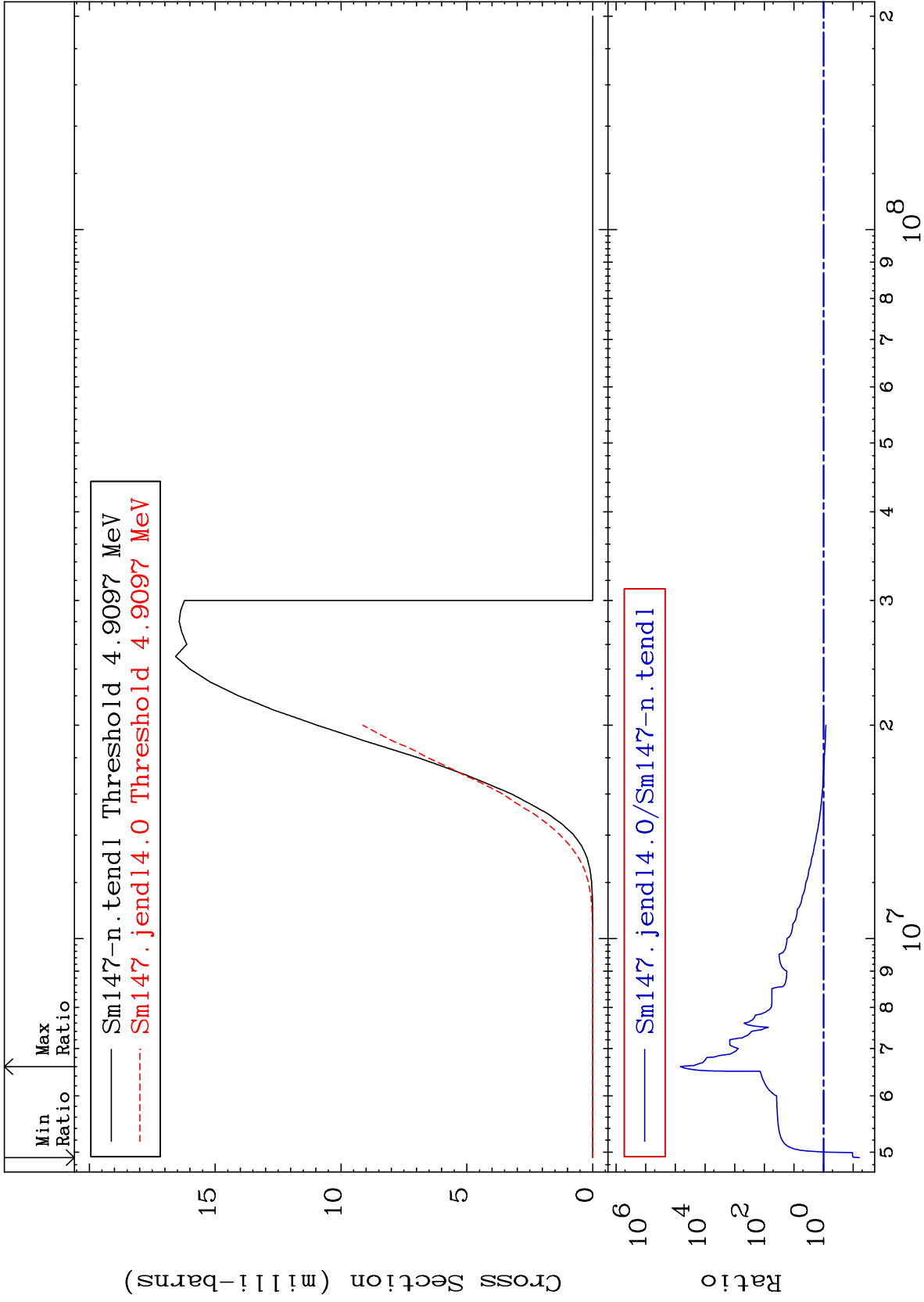
62-Sm-147  
-99.07 To 9999. %





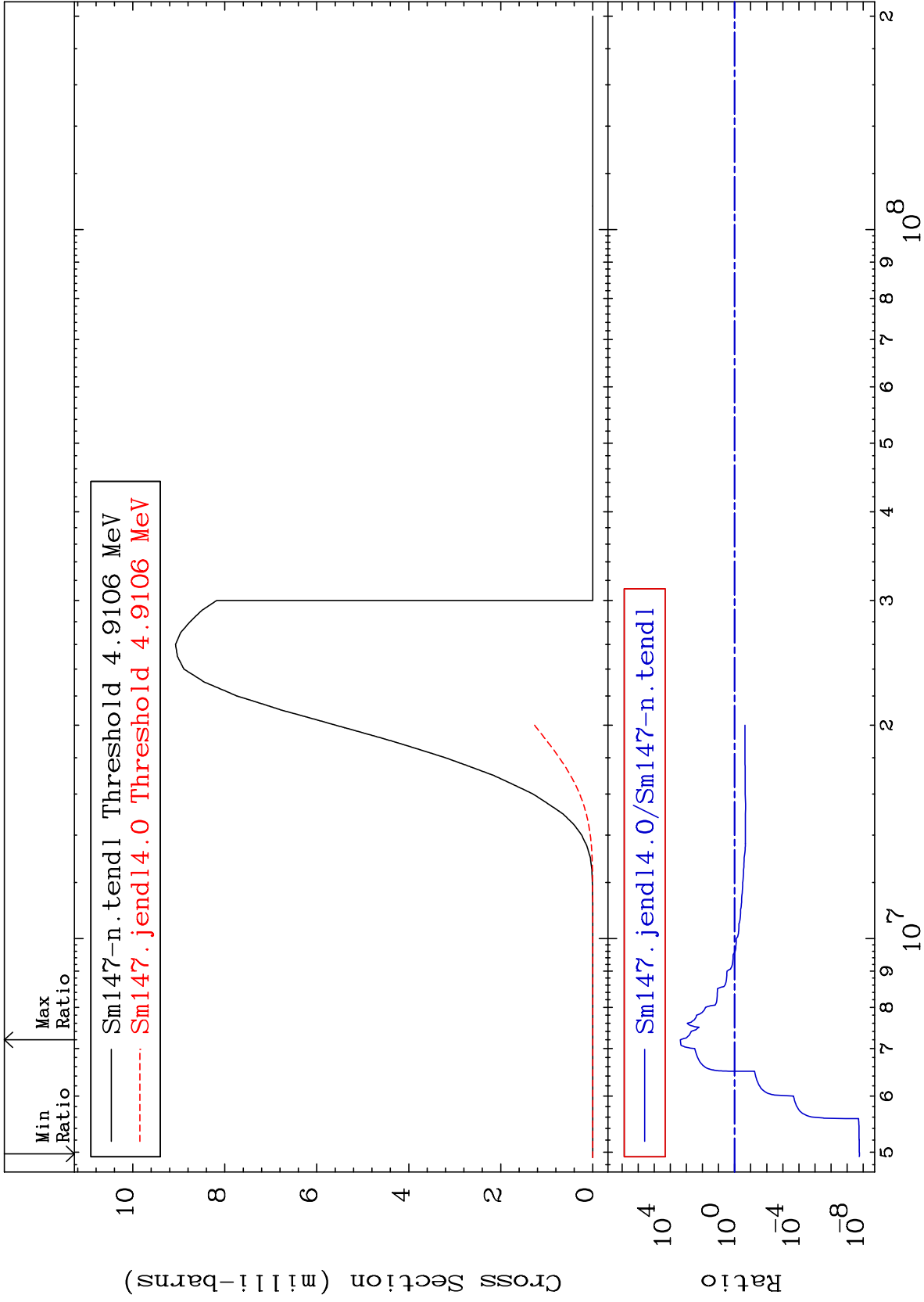
Cross Section

-93.86 To 9999. %



Cross Section

-100.0 To 9999. %



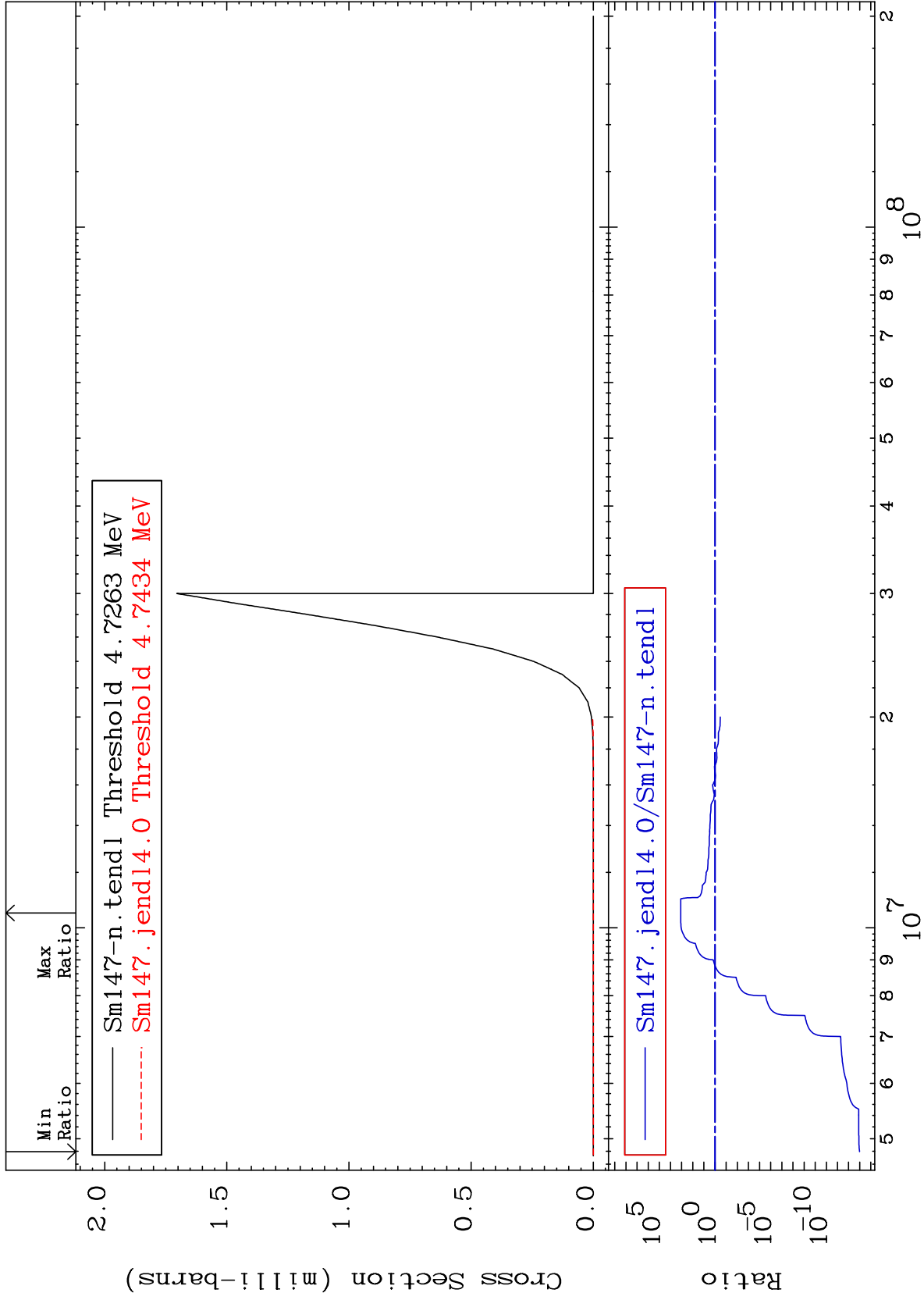
MAT 6234

(n, He-3)

62-Sm-147

Cross Section

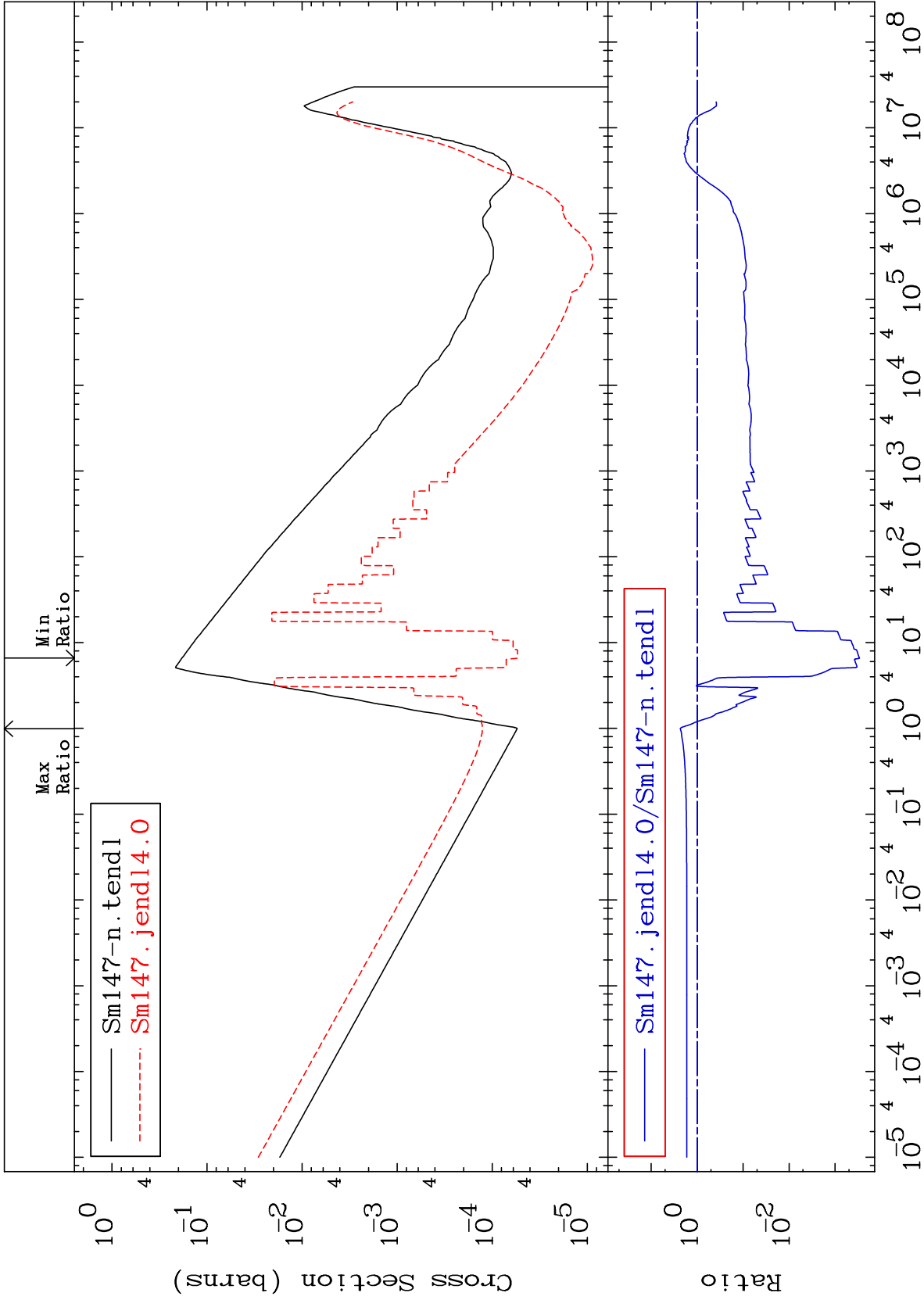
-100.0 To 9999. %



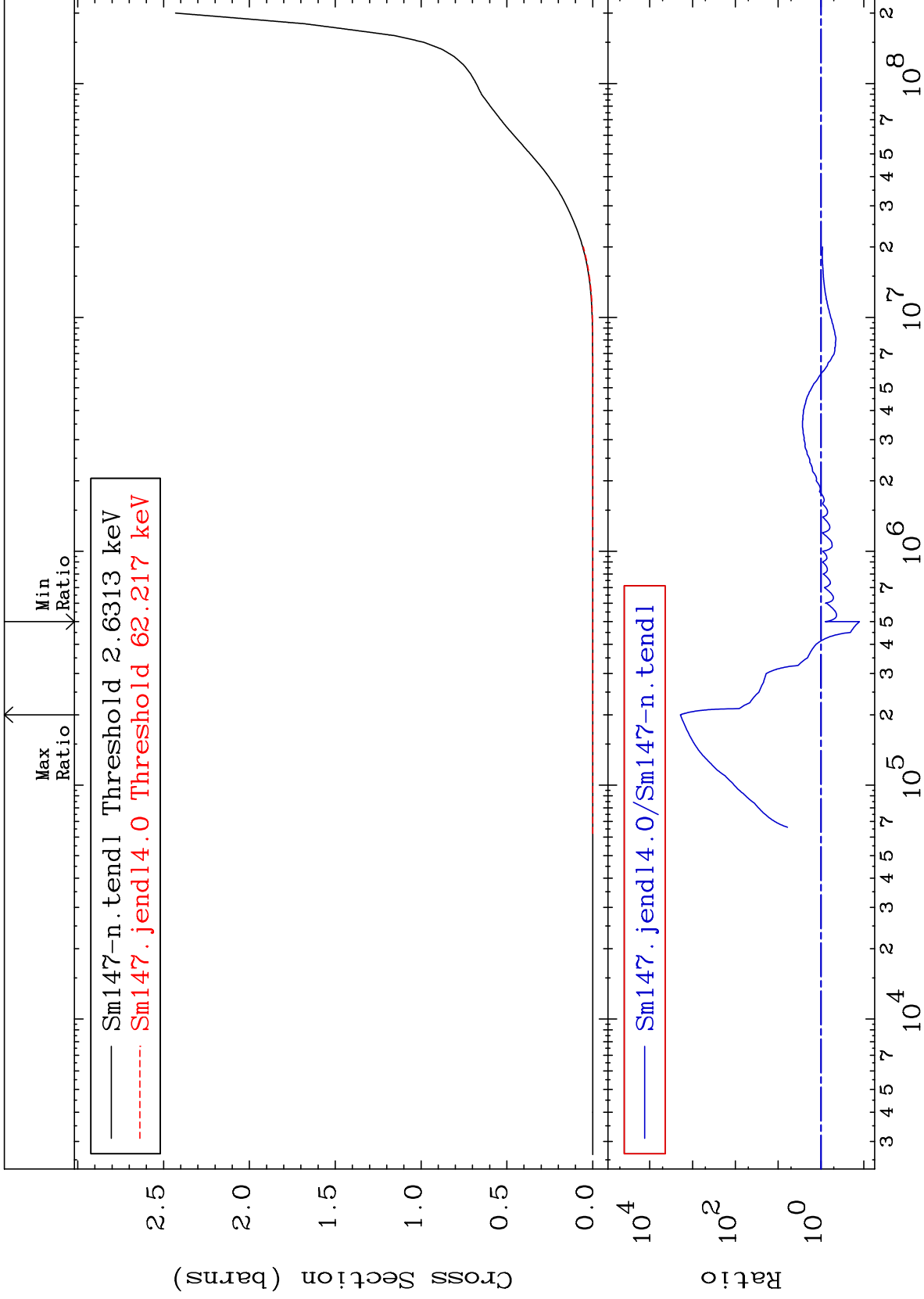
47

Incident Energy (eV)

62-Sm-147



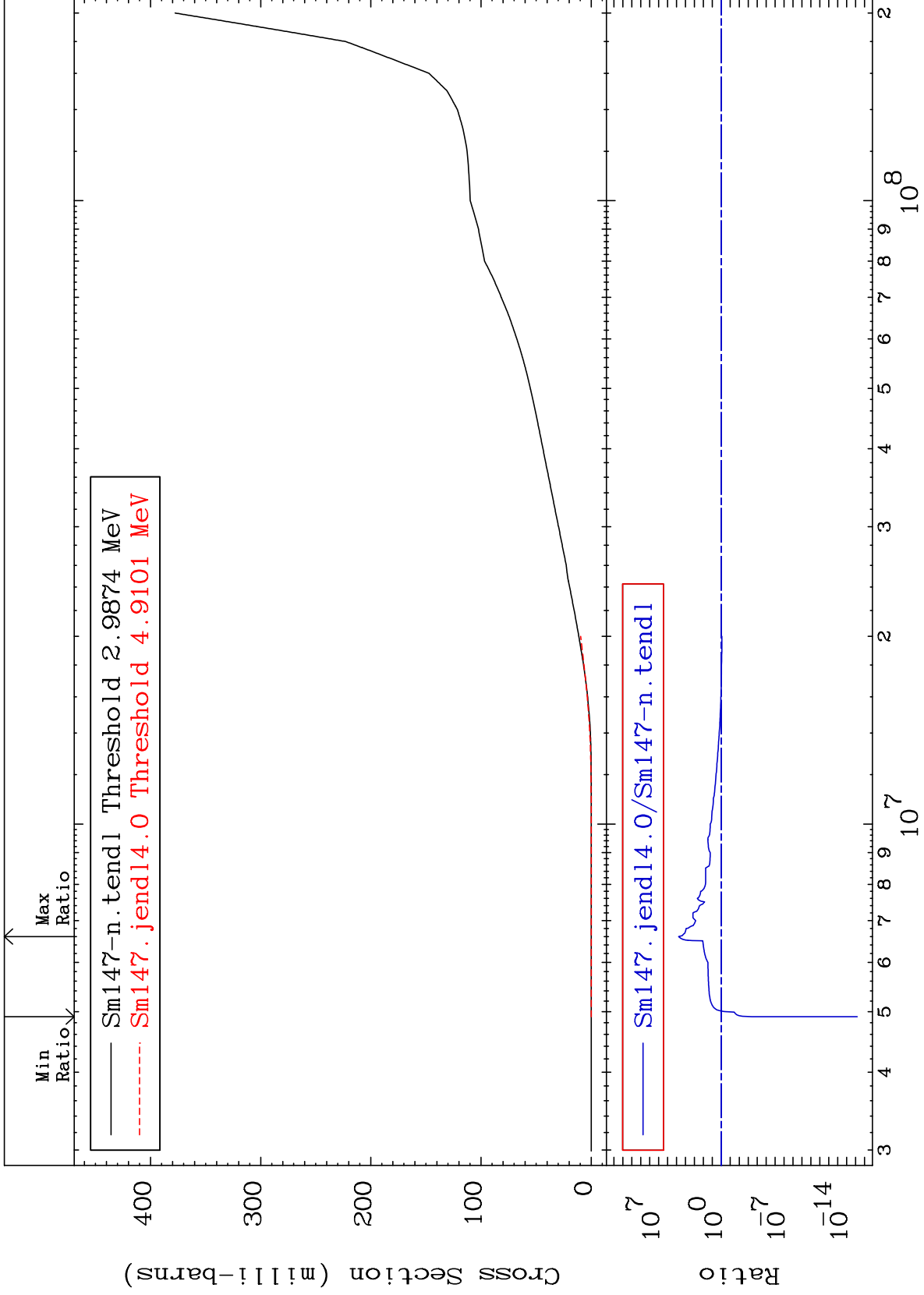


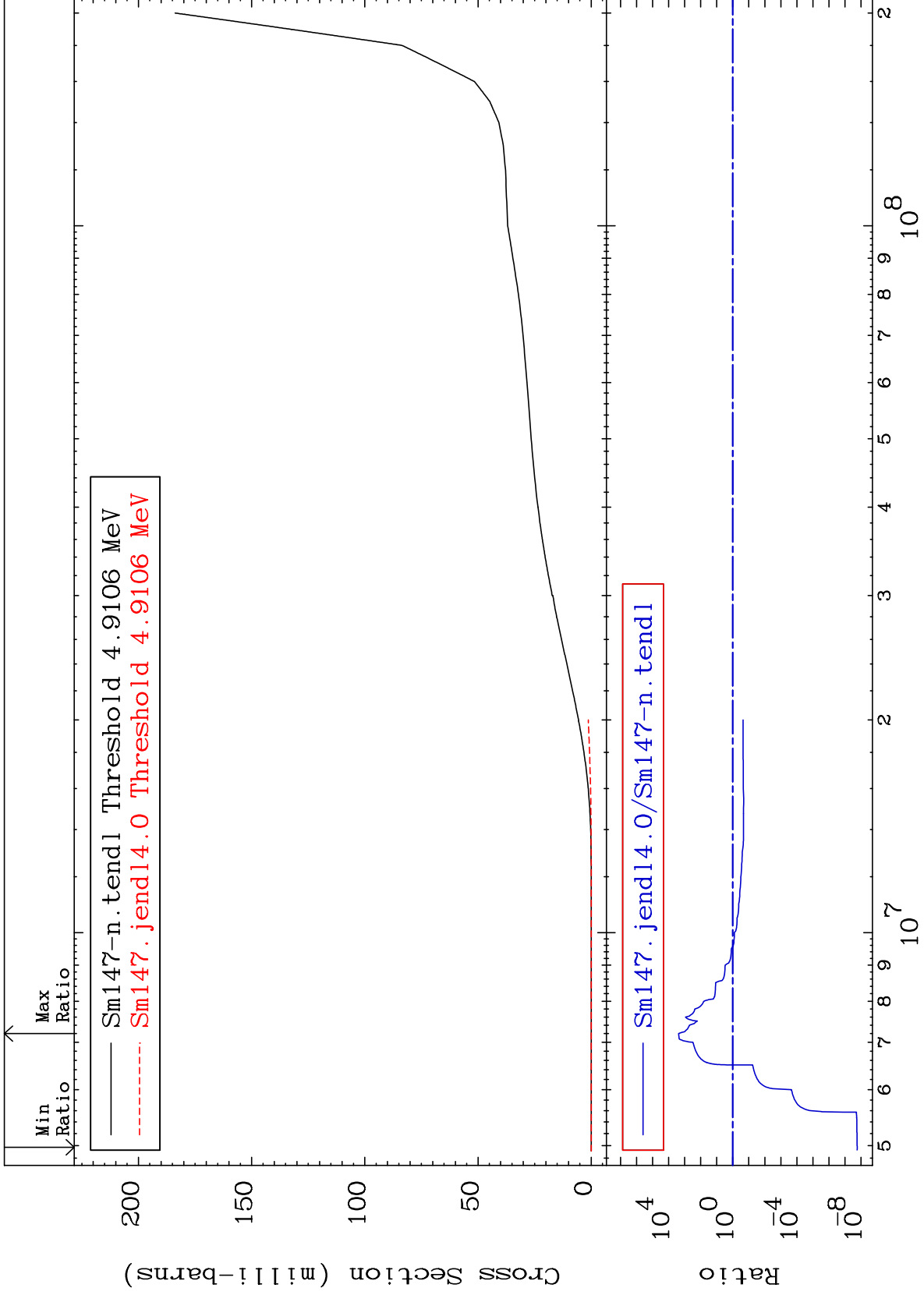


MAT 6234

Deuterium Production  
Cross Section

62-Sm-147  
-100.0 To 9999. %

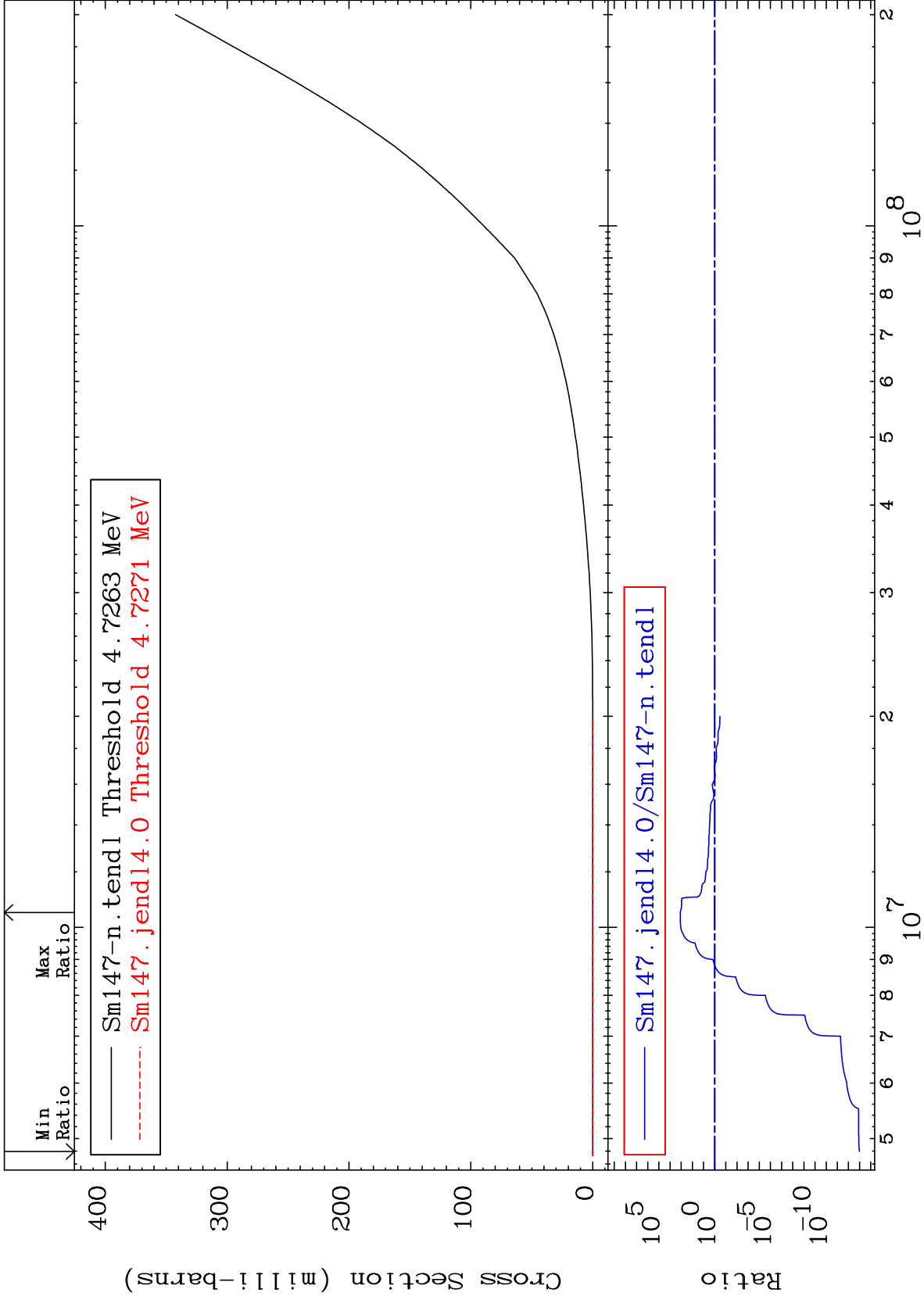




MAT 6234

He-3 Production  
Cross Section

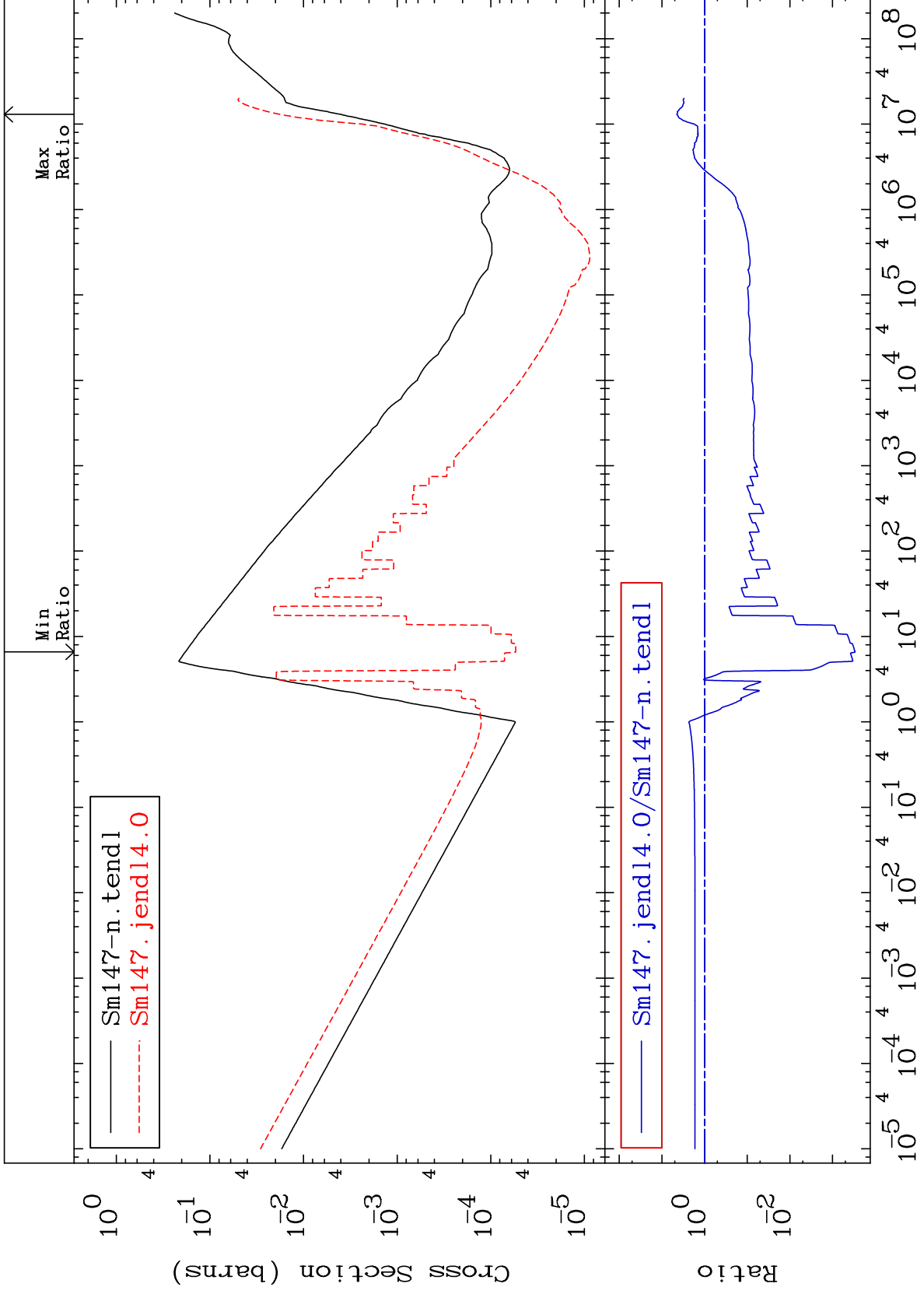
62-Sm-147  
-100.0 To 9999. %



MAT 6234

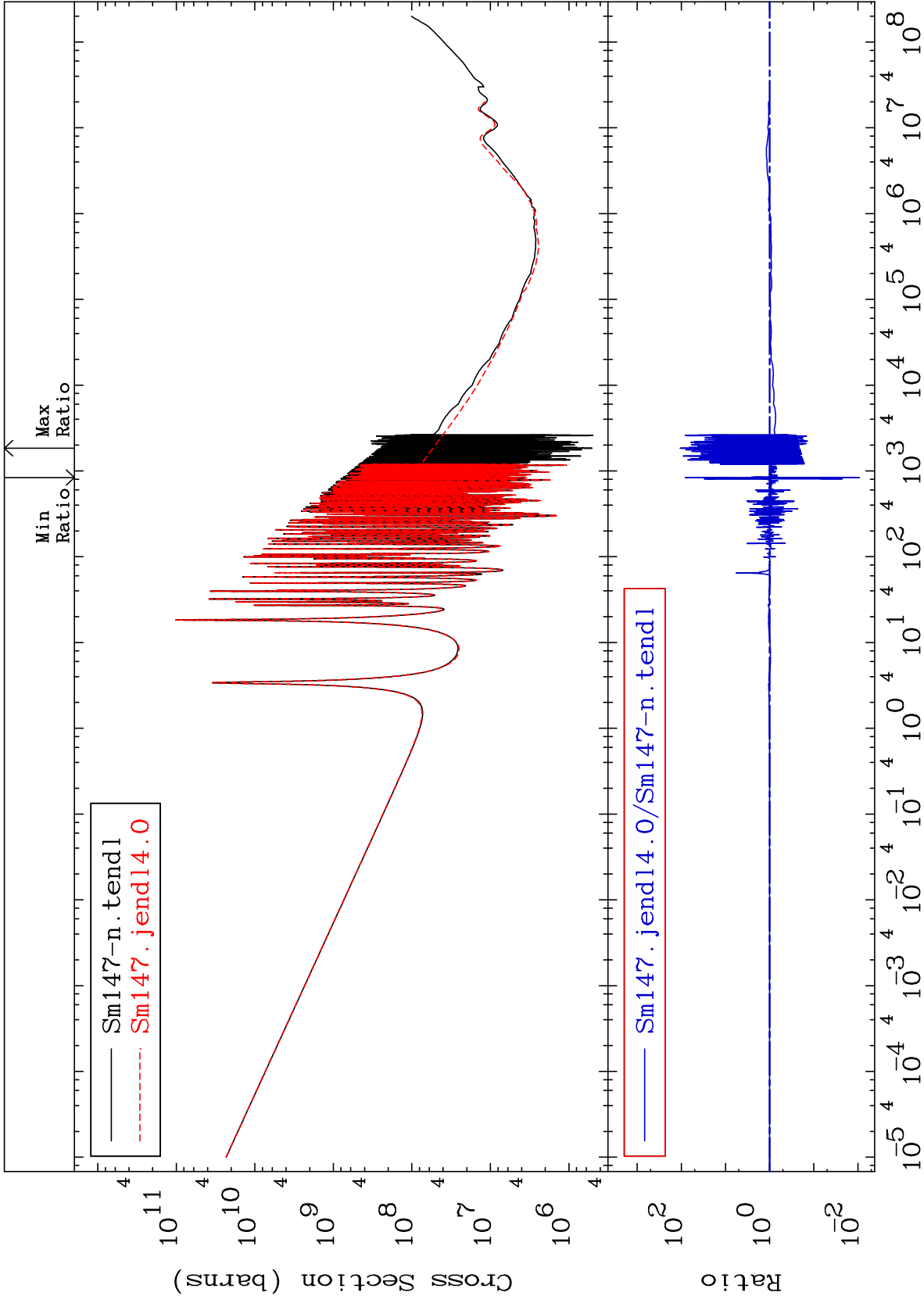
He-4 Production  
Cross Section

62-Sm-147  
-99.97 To 345.1 %



Cross Section

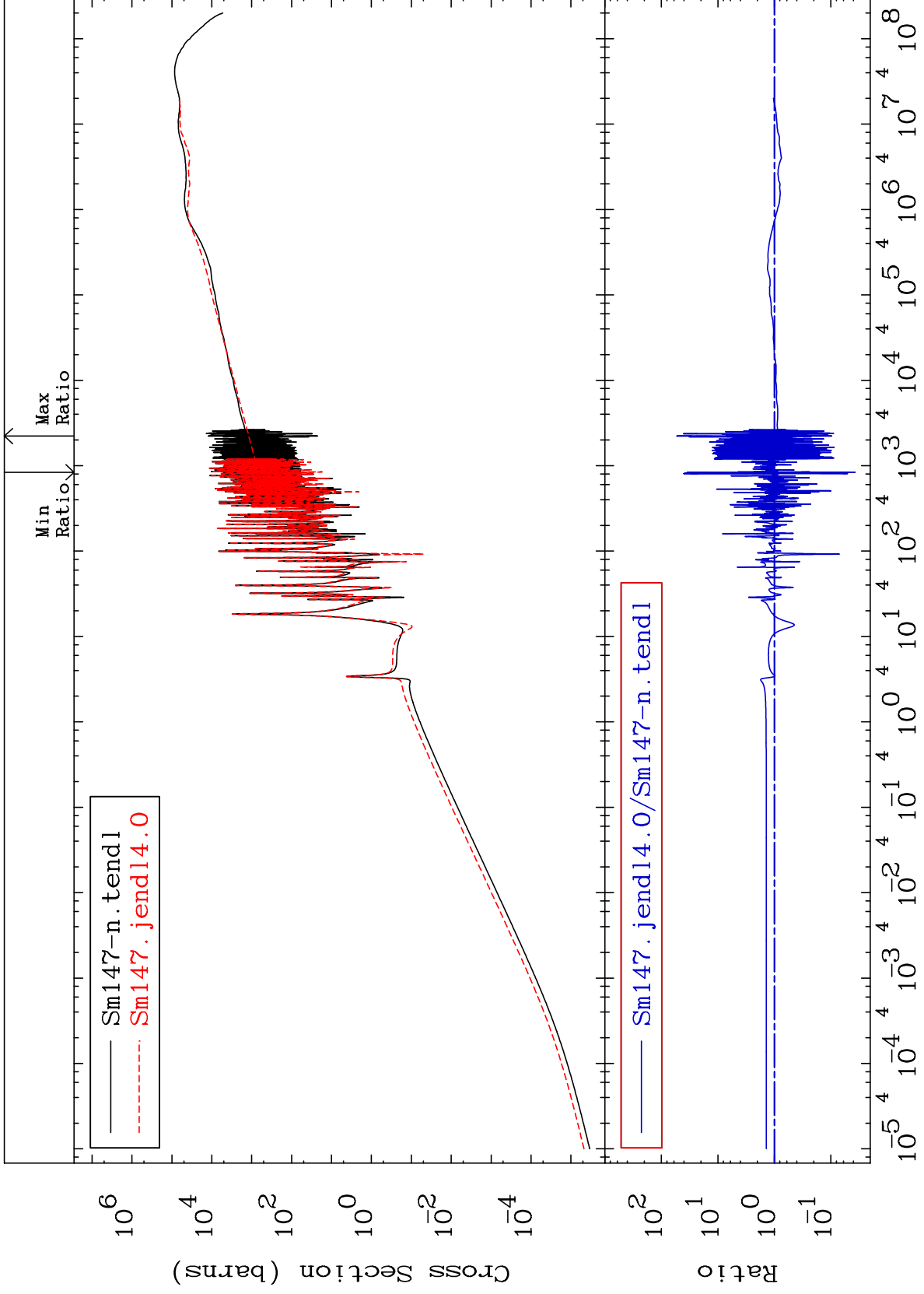
-99.07 To 9999. %

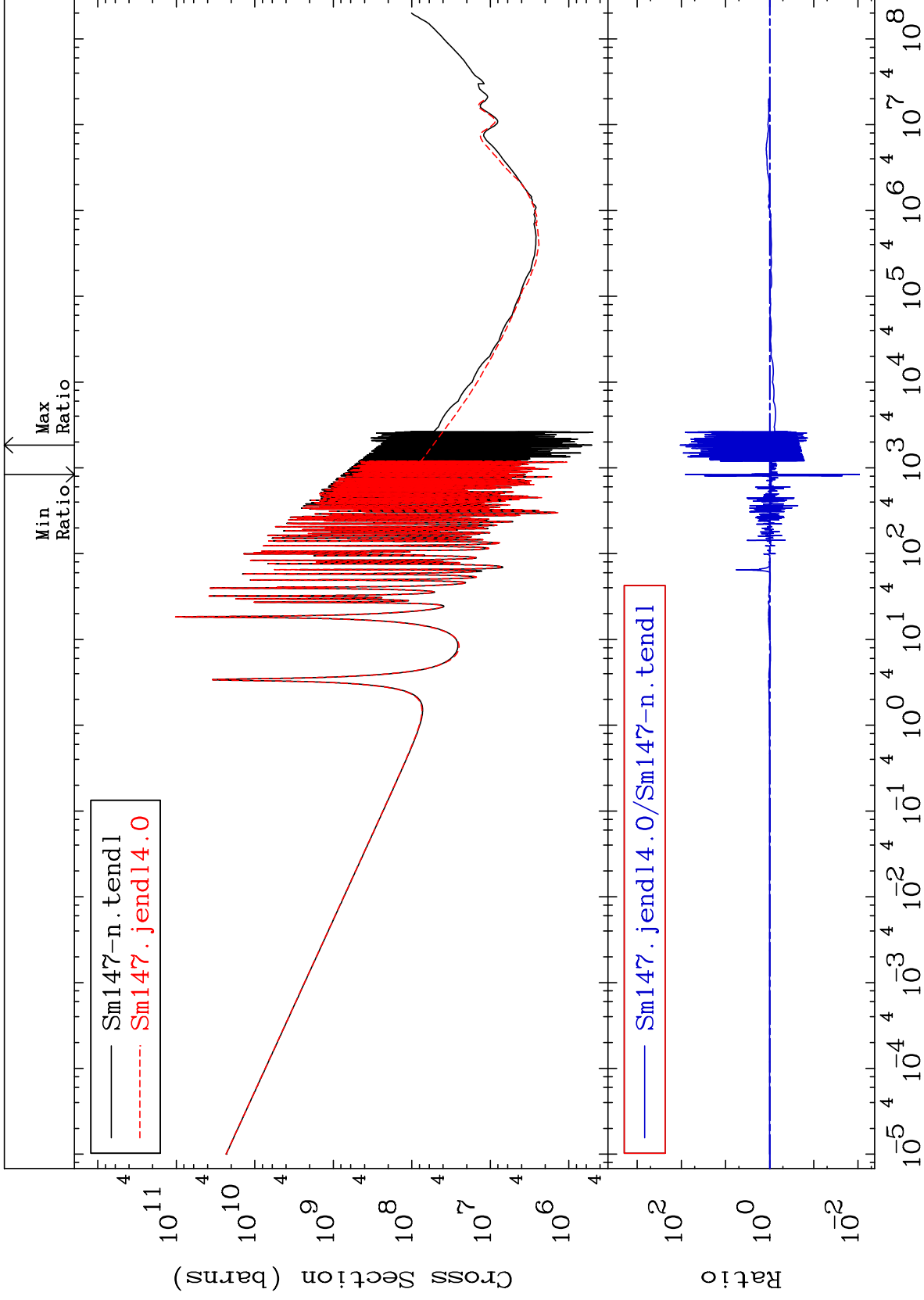


MAT 6234

Kerma elastic  
Cross Section

62-Sm-147  
-96.27 To 5205. %



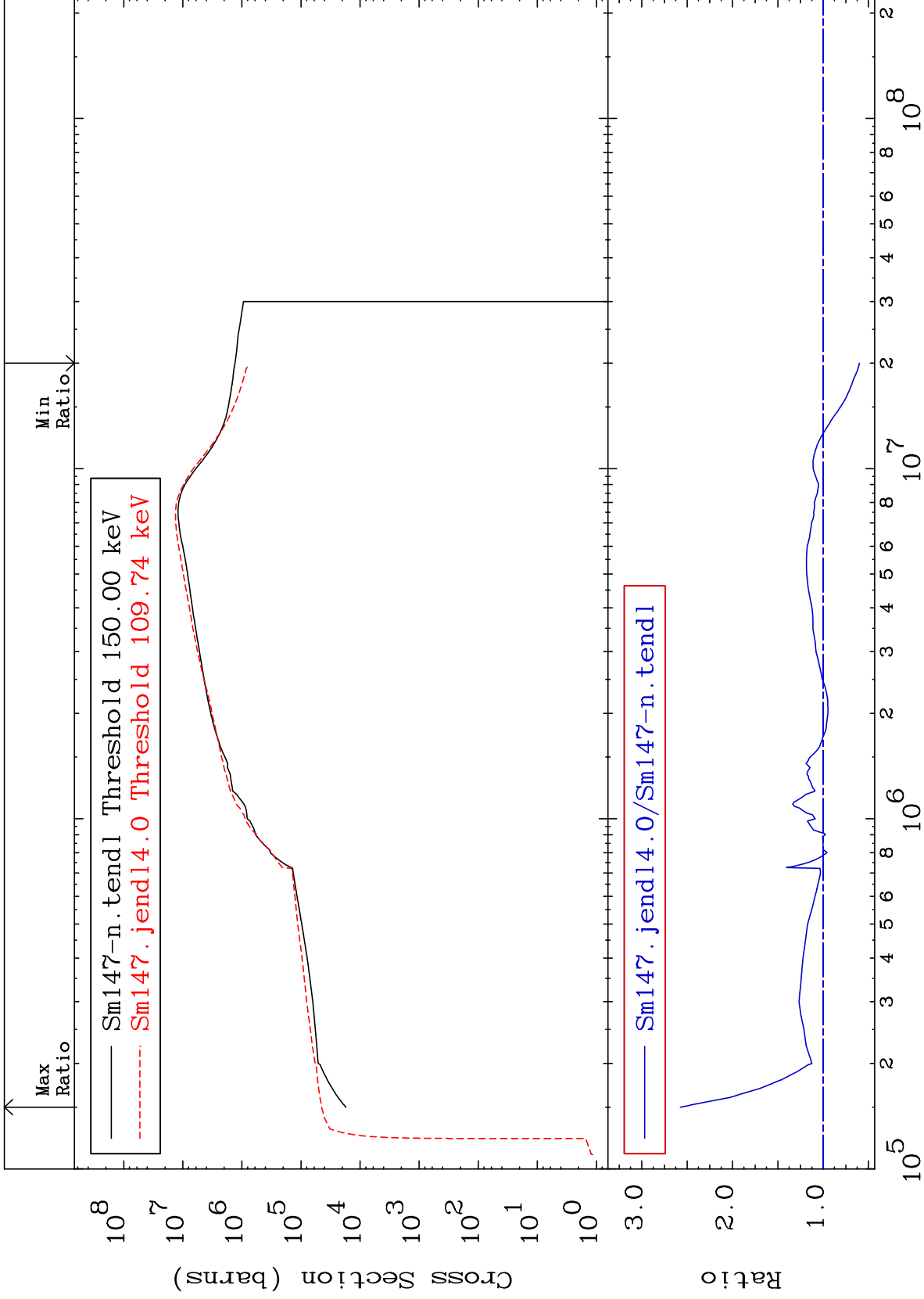




MAT 6234

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-147  
-40.02 To 157.5 %



57

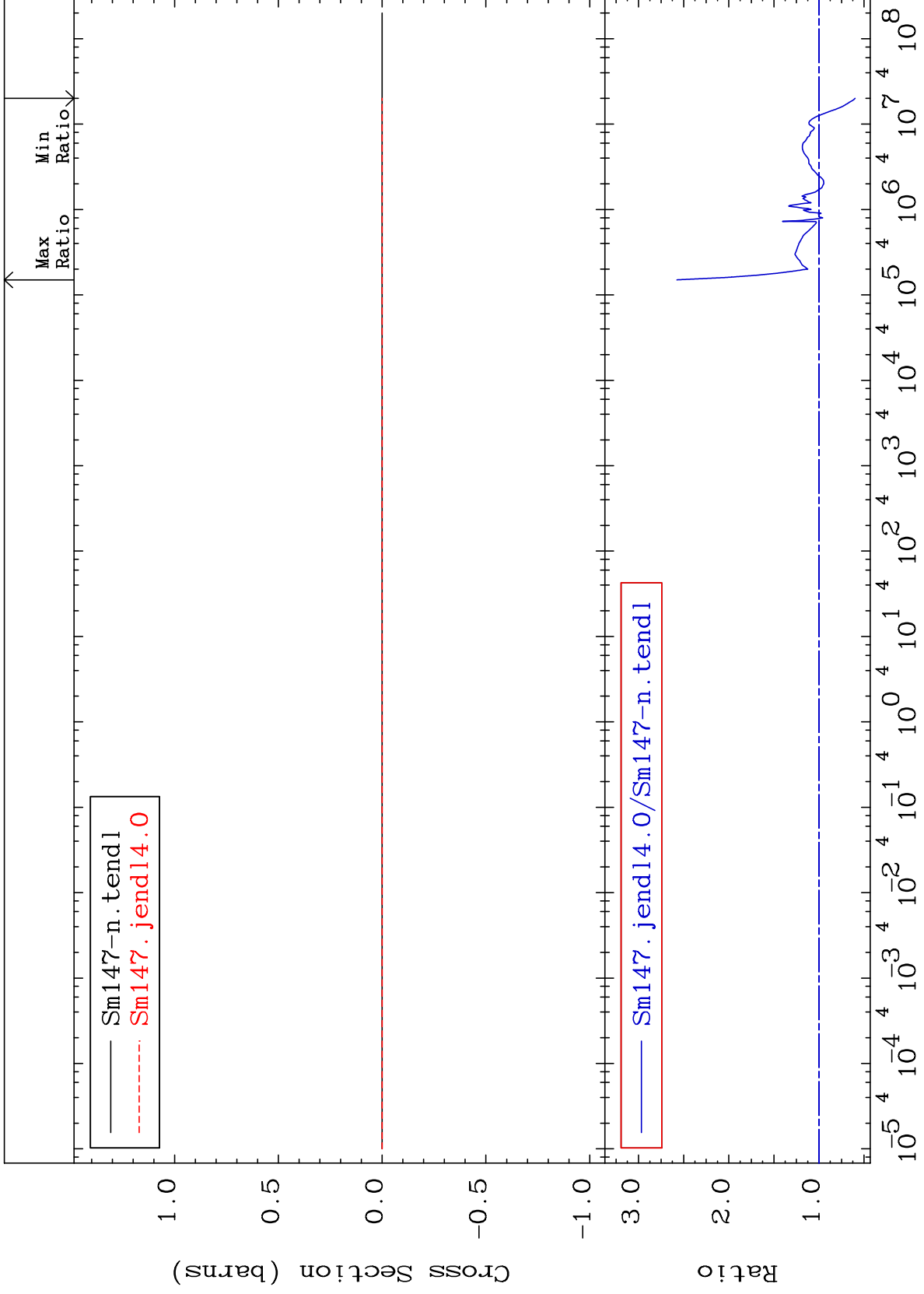
Incident Energy (eV)

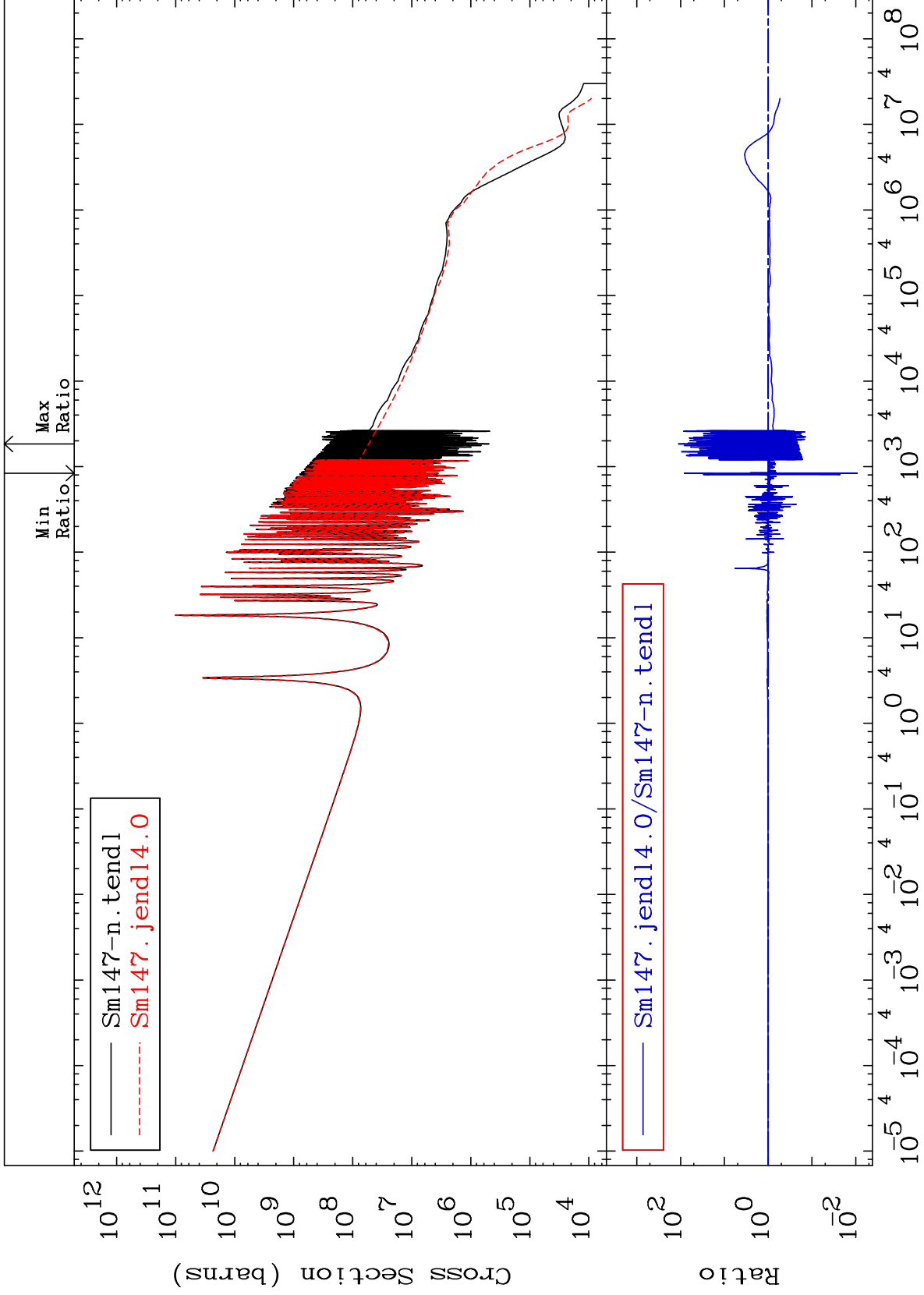
62-Sm-147

MAT 6234

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

62-Sm-147  
-40.02 To 157.5 %

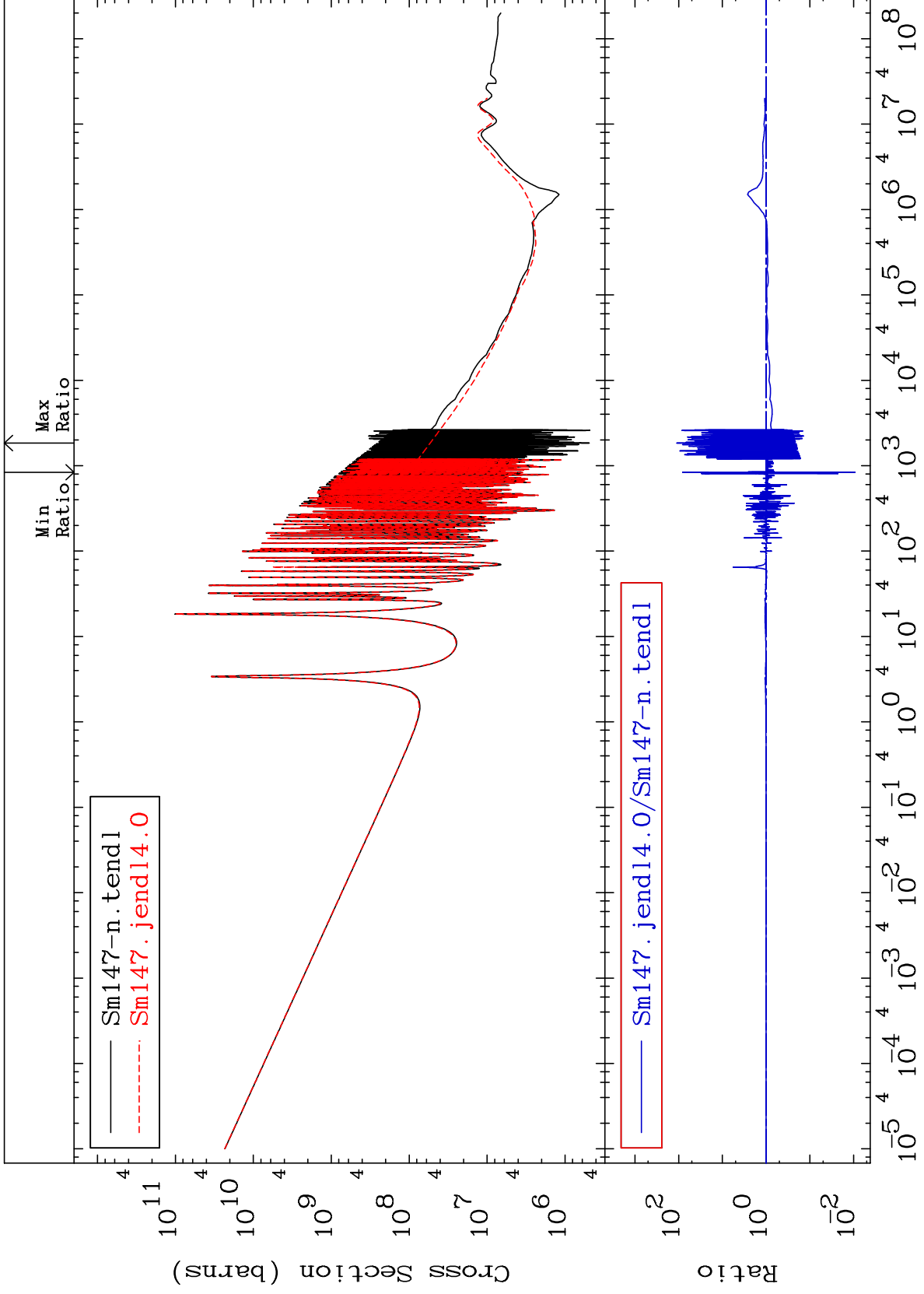




MAT 6234

Total photon (eV-barns)  
Cross Section

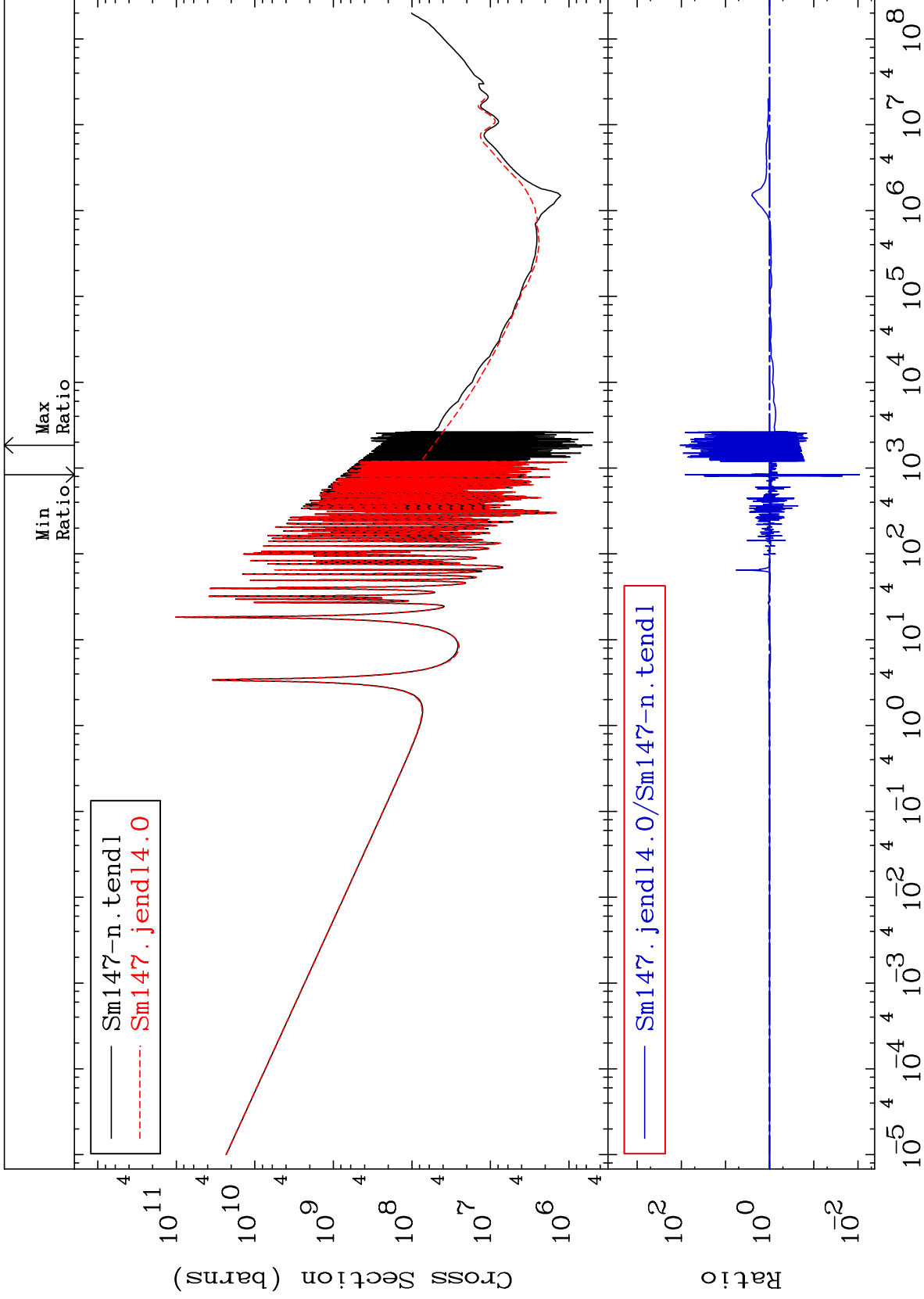
62-Sm-147  
-99.07 To 9999. %



60

Incident Energy (eV)

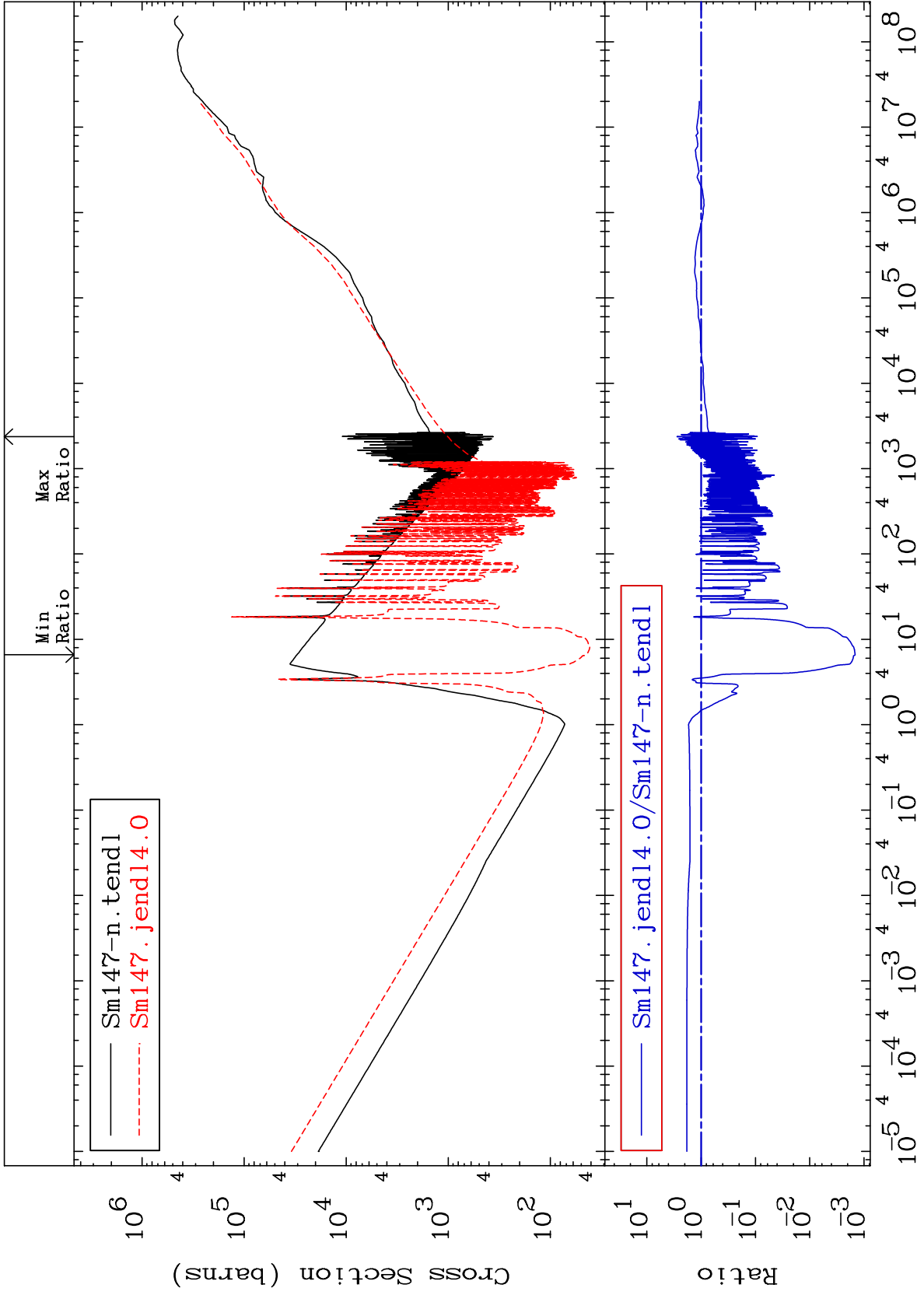
62-Sm-147



MAT 6234

Dpa total (eV-barns)  
Cross Section

62-Sm-147  
-99.85 To 179.2 %



62

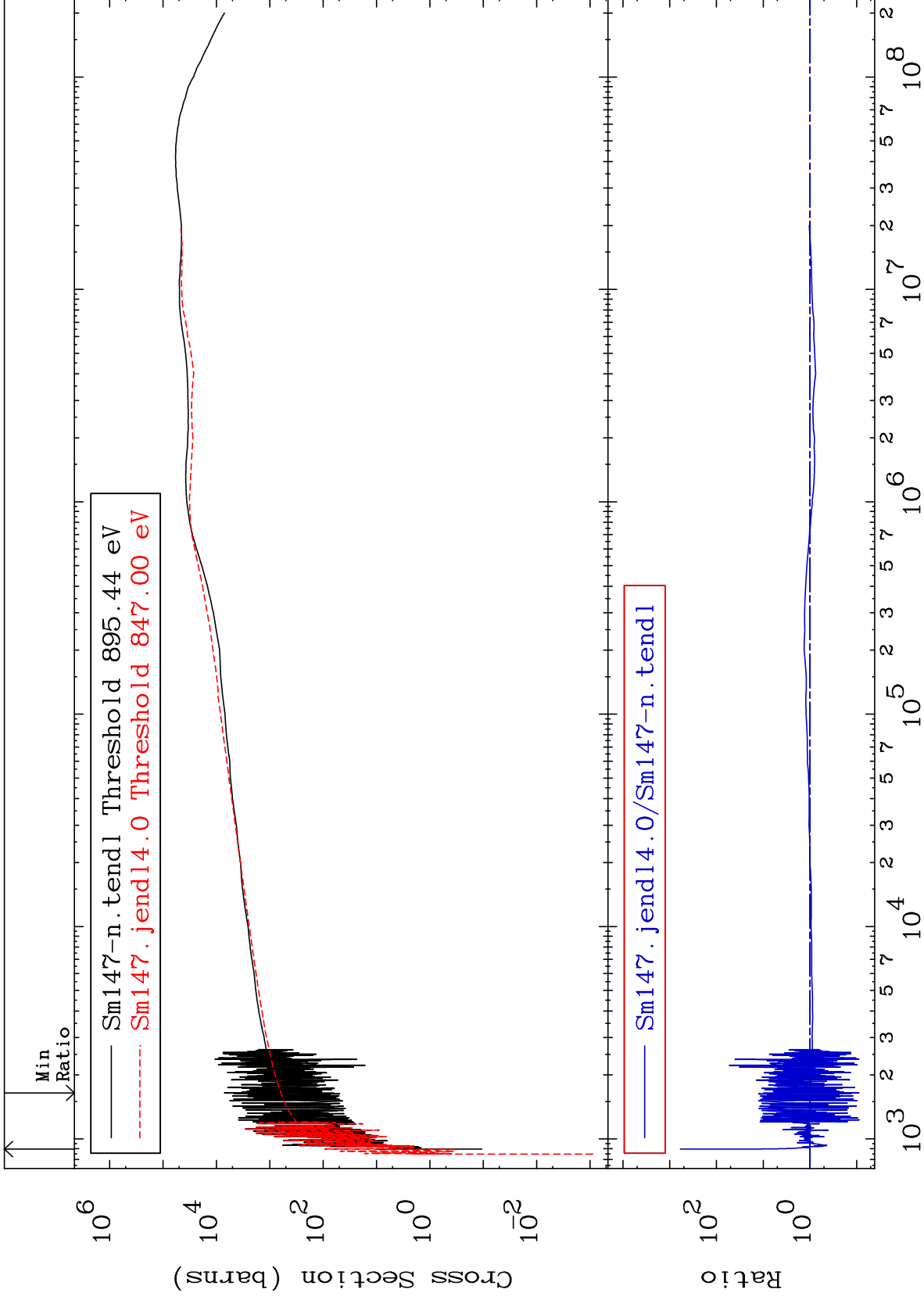
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa elastic (mt2)  
Cross Section

62-Sm-147  
-91.29 To 9999. %



63

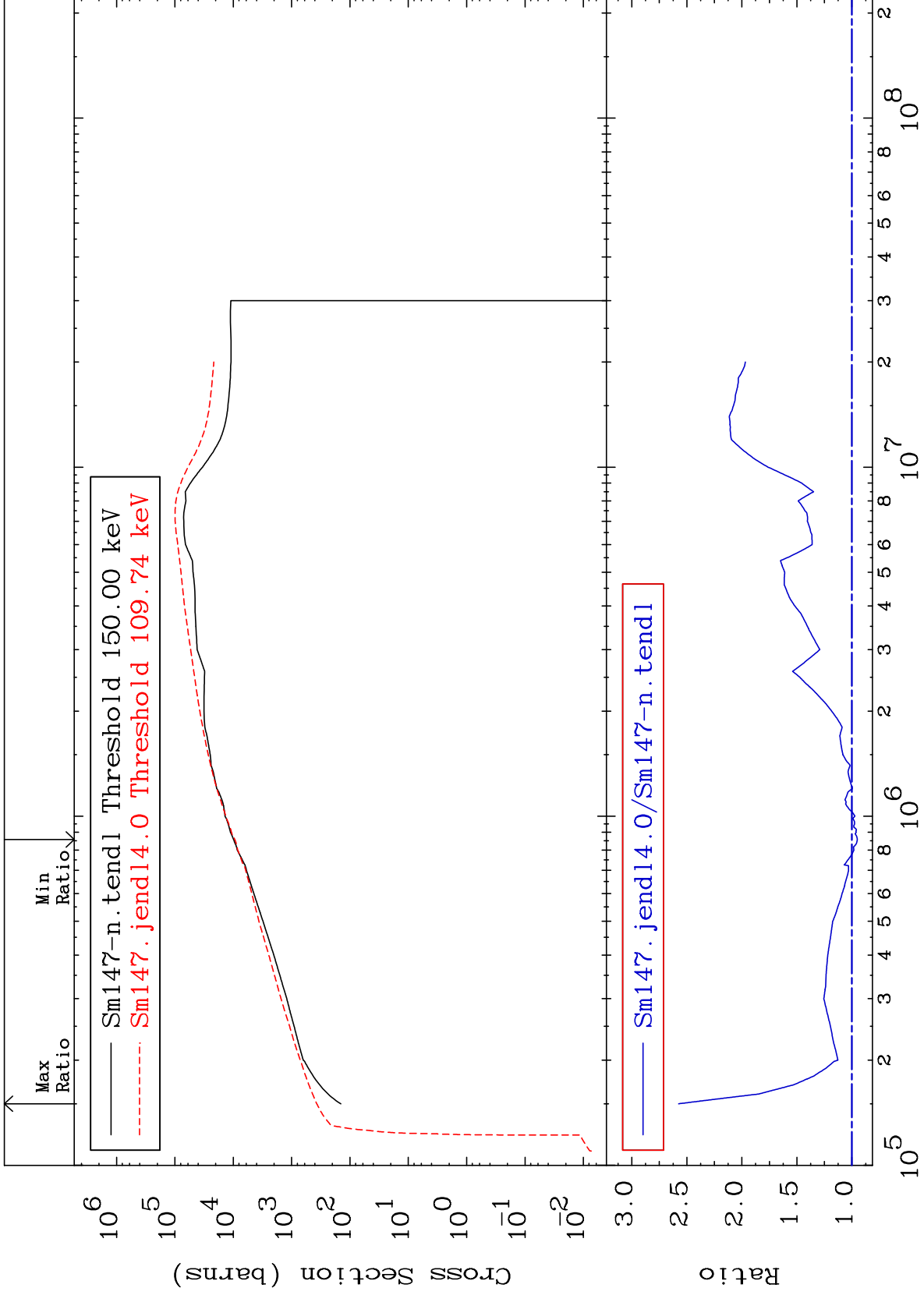
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-147  
-4.841 To 157.5 %



64

Incident Energy (eV)

62-Sm-147



MAT 6234

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-147  
-99.85 To 136.4 %

